



# Product Line Cross Reference

CYPRESS	CYPRESS	CYPRESS	CYPRESS	CYPRESS	CYPRESS
2147-35C	7C147-35C	7C149-35C	7C149-25C+	93L422AM	7C122-35M
2147-45C	2147-35C	7C149-45C	7C149-35C	93L422C	93L422AC
2147-45C	7C147-45C	7C149-45M	7C149-35M	93L422M	93L422AM
2147-45M+	7C147-45M+	7C150-25C	7C150-15C	PALC16L8-25C	PALC16L8L-25C
2147-55C	2147-45C	7C150-35C	7C150-25C	PALC16L8-30M	PALC16L8-20M
2147-55M	2147-45M	7C150-35M	7C150-25M	PALC16L8-35C	PALC16L8-25C
2148-35C	21L48-35C	7C167A-35C	7C167A-25C	PALC16L8-40M	PALC16L8-30M
2148-35C	7C148-35C	7C167A-45M	7C167A-35M+	PALC16L8L-35C	PALC16L8L-25C
2148-35M	7C148-35M	7C168A-35C	7C168A-25C	PALC16R4-25C	PALC16R4L-25C
2148-45C	2148-35C	7C168A-45M	7C168A-35M+	PALC16R4-30M	PALC16R4-20M
2148-45C	21L48-45C	7C169A-35C	7C169A-25C	PALC16R4-35C	PALC16R4-25C
2148-45M	2148-35M	7C169A-40M	7C169A-35M+	PALC16R4-40M	PALC16R4-30M
2148-45M+	7C148-45M+	7C170A-35C	7C170A-25C	PALC16R4L-35C	PALC16R4L-25C
2148-55C	2148-45C	7C170A-45C	7C170A-35C	PALC16R6-25C	PALC16R6L-25C
2148-55C	21L48-55C	7C170A-45M	7C170A-35M	PALC16R6-30M	PALC16R6-20M
2148-55M	2148-45M	7C171A-35C	7C171A-25C	PALC16R6-35C	PALC16R6-25C
2149-35C	21L49-35C	7C171A-45M	7C171A-35M+	PALC16R6-40M	PALC16R6-30M
2149-35C	7C149-35C	7C172A-35C	7C172A-25C	PALC16R6L-35C	PALC16R6L-25C
2149-35M	7C149-35M	7C172A-45M	7C172A-35M+	PALC16R8-25C	PALC16R8L-25C
2149-45C	21L49-45C	7C189-25C	7C189-15C+	PALC16R8-30M	PALC16R8-20M
2149-45M	2149-35M	7C190-25C	7C190-15C+	PALC16R8-35C	PALC16R8-25C
2149-45M	7C149-45M	7C191-45M	7C191-35M	PALC16R8-40M	PALC16R8-30M
2149-55C	2149-45C	7C192-45M	7C192-35M	PALC16R8L-35C	PALC16R8L-25C
2149-55C	21L49-55C	7C194-35C	7C194-25C	PALC22V10-35C	PALC22V10-25C
2149-55M	2149-45M	7C194-45C	7C194-35C+	PALC22V10-40M	PALC22V10-30M
21L48-35C	7C148-35C	7C194-45M	7C194-35M	PALC22V10L-25C	PALC22V10-25C
21L48-45C	21L48-35C	7C196-35C	7C196-25C	PALC22V10L-35C	PALC22V10L-25C
21L48-45C	7C148-45C	7C196-45C	7C196-35C+	PLDC20G10-35C	PLDC20G10-25C
21L48-55C	21L48-45C	7C197-35C	7C197-25C	PLDC20G10-40M	PLDC20G10-30M
21L49-35C	7C149-25C	7C197-45C	7C197-35C+		
21L49-45C	21L49-35C	7C197-45M	7C197-35M	<b>ALTERA</b>	<b>CYPRESS</b>
21L49-45C	7C149-45C	7C198-45C	7C198-35C	PREFIX:EPM	PREFIX:CY
21L49-55C	21L49-45C	7C198-55C	7C198-45C+	PREFIX:EP	PREFIX:PALC
27S03AC	7C189-25C	7C198-55M	7C198-45M	22V10-10C	PALC22V10D-7C
27S03AM	7C189-25M	7C199-45C	7C199-35C	22V10-10C	PALC22V10D-10C
27S03C	27S03AC	7C199-55C	7C199-45C+	22V10-10C	PAL22V10C-7C+
27S03C	74S189C	7C199-55M	7C199-45M	22V10-10C	PAL22V10C-10C+
27S03M	27S03AM	7C225	7C225A	22V10-15C	PALC22V10B-15C
27S03M	54S189M	7C235	7C235A	22V10-15C	PALC22V10D-15C
27S07AC	7C190-25C	7C245	7C245A	5032DC	7C344-25WC
27S07AM	7C190-25M	7C271	7C271A	5032DC-2	7C344-20WC
27S07C	27S07AC	7C274	27H256	5032DC-15	7C344-15WC
27S07M	27S07AM	7C281	7C281A	5032DC-17	Call Factory
27S07M	7C190-25M	7C286	27H512	5032DC-20	7C344-20WC
54S189M	27S03M	7C291	7C291A	5032DC-25	7C344-25WC
6116A-45C	6116A-35C	7C292	7C292A	5032DM	7C344-25WMB
6116A-55C	6116A-45C	9122-25C	7C122-15C	5032DM-25	7C344-25WMB
6116A-55M	6116A-45M	9122-25C	91L22-25C	5032JC	7C344-25HC
74S189C	27S03C	9122-35C	9122-25C	5032JC-2	7C344-20HC
7C122-25C	7C122-15C+	9122-35C	91L22-35C	5032JC-15	7C344-15HC
7C122-35C	7C122-25C	9122-45C	93L422C	5032JC-17	Call Factory
7C122-35M	7C122-25M	91L22-25C	7C122-25C	5032JC-20	7C344-20HC
7C123-12C	7C123-7C	91L22-35C	7C122-35C	5032JC-25	7C344-25HC
7C128A-35C	7C128A-25C	91L22-45C	93L422AC	5032JI-20	7C344-20HI
7C128A-45C	7C128A-35C	93422AC	7C122-35C	5032JM	7C344-25HMB
7C128A-45M	7C128A-35M+	93422AC	9122-35C	5032JM-25	7C344-25HMB
7C128A-55C	7C128A-45C+	93422AM	7C122-35M	5032LC	7C344-25JC
7C128A-55M	7C128A-45M+	93422C	93L422AC	5032LC-2	7C344-20JC
7C147-35C	7C147-25C+	93422M	93422AM	5032LC-15	7C344-15JC
7C147-45C	7C147-35C	93422M	93L422AM	5032LC-17	Call Factory
7C148-35C	7C148-25C+	93L422AC	7C122-35C	5032LC-20	7C344-20JC
7C148-45C	7C148-35C	93L422AC	91L22-45C	5032LC-25	7C344-25JC
				5032PC	7C344-25PC



# Product Line Cross Reference

ALTERA	CYPRESS
5032PC-2	7C344-20PC
5032PC-15	7C344-15PC
5032PC-17	Call Factory
5032PC-20	7C344-20PC
5032PC-25	7C344-25PC
5064JC	7C343-35HC
5064JC-1	7C343-25HC
5064JC-2	7C343-30HC
5064JI	7C343-35HI
5064JM	7C343-35HMB
5064LC	7C343-35JC
5064LC-1	7C343-25JC
5064LC-2	7C343-30JC
5128AGC-12	7C342B-12RC
5128AGC-15	7C342B-15RC
5128AGC-20	7C342B-20RC
5128AJC-12	7C342B-12HC
5128AJC-15	7C342B-15HC
5128AJC-20	7C342B-20HC
5128ALC-12	7C342B-12JC
5128ALC-15	7C342B-15JC
5128ALC-20	7C342B-20JC
5128GC	7C342-35RC
5128GC-1	7C342-25RC
5128GC-2	7C342-30RC
5128GM	7C342-35RMB
5128JC	7C342-35HC
5128JC-1	7C342-25HC
5128JC-2	7C342-30HC
5128JI	7C342-35HI
5128JI-2	7C342-30HI
5128JM	7C342-35HMB
5128LC	7C342-35JC
5128LC-1	7C342-25JC
5128LC-2	7C342-30JC
5128LI	7C342-35JI
5128LI-2	7C342-30HI
5130GC	7C346-35RC
5130GC-1	7C346-25RC
5130GC-2	7C346-30RC
5130GM	7C346-35RM
5130JC	7C346-35HC
5130JC-1	7C346-25HC
5130JC-2	7C346-30HC
5130JM	7C346-35HMB
5130LC	7C346-35JC
5130LC-1	7C346-25JC
5130LC-2	7C346-30JC
5130LI	7C346-35JI
5130LI-2	7C346-30JI
5130QC	7C346-35NC
5130QC-1	7C346-25NC
5130QC-2	7C346-30NC
5130QI	7C346-35NI
5192AGC-15	7C341B-15RC
5192AGC-20	7C341B-20RC
5192AJC-15	7C341B-15HC
5192AJC-20	7C341B-20HC
5192ALC-1	7C341B-15JC
5192ALC-2	7C341B-20JC
5192GC	7C341-35RC
5192GC-1	7C341-25RC

ALTERA	CYPRESS
5192GC-2	7C341-30RC
5192JC	7C341-35HC
5192JC-1	7C341-25HC
5192JC-2	7C341-30HC
5192JI	7C341-35HI
5192LC	7C341-35JC
5192LC-1	7C341-25JC
5192LC-2	7C341-30JC

  

ALTERA	CYPRESS
SMD PN	SMD PN
5962-85155 01RX	5962-88713 09RX
5962-85155 012X	5962-88713 09XX
5962-85155 02RX	5962-88713 10RX
5962-85155 022X	5962-88713 10XX
5962-85155 03RX	5962-88713 11RX
5962-85155 032X	5962-88713 11XX
5962-85155 04RX	5962-88713 12RX
5962-85155 042X	5962-88713 12XX
5962-85155 05RX	5962-88713 09RX
5962-85155 052X	5962-88713 09XX
5962-85155 06RX	5962-88713 10RX
5962-85155 062X	5962-88713 10XX
5962-85155 07RX	5962-88713 11RX
5962-85155 072X	5962-88713 11XX
5962-85155 08RX	5962-88713 12RX
5962-85155 082X	5962-88713 12XX
5962-86053 01LA	5962-89841 01LX
5962-86053 013A	5962-89841 013X
5962-86053 01KA	5962-89841 01KX
5962-86053 02LA	5962-89841 01LX
5962-86053 023A	5962-89841 013X
5962-86053 02KA	5962-89841 01KX
5962-86053 04LA	5962-89841 02LX
5962-86053 043A	5962-89841 023X
5962-86053 04KA	5962-89841 02KX
5962-86053 053A	5962-89841 063X
5962-86053 05KA	5962-89841 06KX
5962-86053 05LA	5962-89841 06LX
5962-88515 01RX	5962-88713 09RX
5962-88515 012X	5962-88713 09XX
5962-88515 02RX	5962-88713 10RX
5962-88515 022X	5962-88713 10XX
5962-88515 03RX	5962-88713 11RX
5962-88515 032X	5962-88713 11XX
5962-88515 04RX	5962-88713 12RX
5962-88515 042X	5962-88713 12XX
PREFIX: Am	PREFIX: CY
PREFIX: SN	PREFIX: CY
SUFFIX: B	SUFFIX: B
SUFFIX: D	SUFFIX: W
SUFFIX: E	SUFFIX: Z
SUFFIX: F	SUFFIX: F
SUFFIX: J	SUFFIX: J
SUFFIX: L	SUFFIX: L
SUFFIX: P	SUFFIX: P
27C64-55C	7C266-55C
27C64-70C	27C64-70C
27C64-90C	27C64-90C
27C64-120C	27C64-120C
27C64-150C	27C64-150C
27C64-200C	27C64-200C
27C010-90C	27C010-90C

AMD	CYPRESS
27C010-120C	27C010-120C
27C010-150C	27C010-150C
27C010-200C	27C010-200C
27C128-45C	27C128-45C
27C128-55C	27C128-55C
27C128-70C	27C128-70C
27C128-90C	27C128-90C+
27C128-120C	27C128-120C+
27C128-150C	27C128-150C+
27C128-200C	27C128-200C+
27C256-55C	27C256-55C
27C256-70C	27C256-70C+
27C256-90C	27C256-90C+
27C256-120C	27C256-120C+
27C256-150C	27C256-150C+
27C256-200C	27C256-200C+
27C512-75C	27H512-70C
27C512-90C	27H512-90C
27C512-120C	27H512-120C
27C512-150C	27H512-150C
27C512-200C	27H512-200C
27H010-45	27H010-45
27H010-55	27H010-55
27H010-70	27C010-70
27H010-90	27C010-90
27H256-35C	27H256-35C
27H256-45C	27C256-45C
27H256-45M	27C256-45M
27H256-55C	27C256-55C
27H256-55M	27C256-55M
27H256-70C	27C256-70C
27LS291M	7C291A-35M
27PS191AC	7C292A-50C
27PS191AM	7C292A-50M+
27PS191C	7C292A-50C
27PS191M	7C292A-50M+
27PS291AC	7C293A-50C
27PS291AM	7C293A-50M+
27PS291C	7C293A-50C
27PS291M	7C293A-50M+
27S181AC	7C282A-30C
27S181AM	7C282A-45M
27S181C	7C282A-45C
27S181M	7C282A-45M
27S191AC	7C292A-35C
27S191AM	7C292A-50M
27S191C	7C292A-50C
27S191M	7C292A-50M
27S191SAC	7C292A-25C
27S191SAM	7C292A-30M
27S25AC	7C225A-30C
27S25AM	7C225A-35M
27S25C	7C225A-40C
27S25M	7C225A-40M
27S25SAC	7C225A-25C
27S25SAM	7C225A-30M
27S43AC	7C244-45C
27S43C	7C244-55C
27S281AC	7C281A-30C
27S281AM	7C281A-45M
27S281C	7C281A-45C
27S281M	7C281A-45M

**Note:** Unless otherwise noted, product meets all performance specs and is within 10 mA on I<sub>CC</sub> and 5 mA on I<sub>SB</sub>

- + = meets all performance specs but may not meet I<sub>CC</sub> or I<sub>SB</sub>
- \* = meets all performance specs except 2V data retention—may not meet I<sub>CC</sub> or I<sub>SB</sub>
- = functionally equivalent
- † = SOIC only
- ‡ = 32-pin LCC crosses to the 7C198M
- \*\* = See Austin Semiconductor for military products



# Product Line Cross Reference

AMD	CYPRESS	AMD	CYPRESS	AMD	CYPRESS
27S291AC	7C291A-35C	7204A-65	7C432-65	PAL16R8AC	PALC16R8-25C
27S291AM	7C291A-50M	7204A-80	7C432-65	PAL16R8ALC	PALC16R8-25C
27S291C	7C291A-50C	7205A-15	7C460-15	PAL16R8ALM	PALC16R8-30M
27S291M	7C291A-50M	7205A-25	7C460-25	PAL16R8AM	PALC16R8-30M
27S291SAC	7C291A-25C	74S189C	74S189C	PAL16R8BM	PALC16R8-20M
27S291SAM	7C291A-30M	MACH110-12JC	7C371-83JC	PAL16R8C	PALC16R8-35C
27S35AC	7C235A-30C	MACH110-15JC	7C371-66JC	PAL16R8LC	PALC16R8-35C
27S35AM	7C235A-40M	MACH110-20JC	7C371-66JC	PAL16R8LM	PALC16R8-40M
27S35C	7C235A-40C	MACH110-20/BXA	7C371-66YMB	PAL16R8M	PALC16R8-40M
27S35M	7C235A-40M	MACH130-15JC	7C373-83JC	PAL16R8QC	PALC16R8L-35
27S45AC	7C245A-35C	MACH130-20JC	7C373-66JC	PAL16R8QM	PALC16R8-40M
27S45AM	7C245A-45M	MACH130-20/BXA	7C373-66YMB	PAL22V10-7JC	PALC22V10D-7JC
27S45C	7C245A-45C	MACH210-12JC	7C372-100JC	PAL22V10-7PC	PALC22V10D-7PC
27S45M	7C245A-45M	MACH210-15JC	7C372-83JC	PAL22V10-10DC	PALC22V10D-10DC
27S45SAC	7C245A-25C	MACH210-20JC	7C372-66JC	PAL22V10-10JC	PALC22V10D-10JC
27S45SAM	7C245A-25M-	MACH210-20/BXA	7C372-66YMB	PAL22V10-10PC	PALC22V10D-10PC
27S49A	7C264-40C	MACH210A-10JC	7C372-125JC	PAL22V10-12/B3A	PALC22V10B-10LMB
27S49AM	7C264-55M	MACH210A-12JC	7C372-100JC	PAL22V10-12/BLA	PALC22V10B-10DMB
27S49C	7C264-55C	MACH230-15JC	7C374-83JC	PAL22V10-15DC	PALC22V10B-15DC
27S49M	7C264-55M	MACH230-20JC	7C374-66JC	PAL22V10-15JC	PALC22V10B-15JC
27S49SAC	7C264-25C	MACH435-15JC	7C374-83JC	PAL22V10-15PC	PALC22V10B-15PC
27S49SAM	7C264-25M	MACH435-20JC	7C374-66JC	PAL22V10-20/B3A	PALC22V10B-20LM
2841AC	3341C	PAL16L8A-4C	PALC16L8L-35C	PAL22V10-20/BLA	PALC22V10B-20DM
2841AM	3341M	PAL16L8A-4M	PALC16L8-40M	PAL22V10/B3A	PALC22V10-35LMB
2841C	3341C	PAL16L8AC	PALC16L8-25C	PAL22V10/BLA	PALC22V10-35DMB
2841M	3341M	PAL16L8ALC	PALC16L8-25C	PAL22V10A/B3A	PALC22V10-25LMB
7201-25	7C420-25	PAL16L8ALM	PALC16L8-30M	PAL22V10A/BLA	PALC22V10-25DMB
7201-25R	7C421-25	PAL16L8AM	PALC16L8-30M	PAL22V10ADC	PALC22V10-25DC
7201-35	7C420-30	PAL16L8BM	PALC16L8-20M	PAL22V10AJC	PALC22V10-25JC
7201-35R	7C421-30	PAL16L8C	PALC16L8-35C	PAL22V10APC	PALC22V10-25PC
7201-50	7C420-40	PAL16L8LC	PALC16L8-35C	PAL22V10DC	PALC22V10-35DC
7201-50R	7C421-40	PAL16L8LM	PALC16L8-40M	PAL22V10JC	PALC22V10-35JC
7201-65	7C420-65	PAL16L8M	PALC16L8-40M	PAL22V10PC	PALC22V10-35PC
7201-65R	7C421-65	PAL16L8QC	PALC16L8L-35C	PALCE16V8H-5JC/4	PALCE16V8-5JC
7201-80	7C420-65	PAL16L8QM	PALC16L8-40M	PALCE16V8H-7JC/4	PALCE16V8-7JC
7201-80R	7C421-65	PAL16R4A-4C	PALC16R4L-35C	PALCE16V8H-7PC/4	PALCE16V8-7PC
7202A-15	7C425A-15	PAL16R4A-4M	PALC16R4-40M	PALCE16V8H-10JC/4	PALCE16V8-10JC
7202A-25	7C424-25	PAL16R4ALC	PALC16R4-25C	PALCE16V8H-10PC/4	PALCE16V8-10PC
7202A-25R	7C425-25	PAL16R4ALM	PALC16R4-30M	PALCE16V8H-15JC/4	PALCE16V8-15JC
7202A-35	7C424-30	PAL16R4AM	PALC16R4-30M	PALCE16V8H-15PC/4	PALCE16V8-15PC
7202A-35R	7C425-30	PAL16R4BM	PALC16R4-20M	PALCE16V8H-25JC/4	PALCE16V8-25JC
7202A-50	7C424-40	PAL16R4C	PALC16R4-35C	PALCE16V8H-25PC/4	PALCE16V8-25PC
7202A-50R	7C425-40	PAL16R4LC	PALC16R4-35C	PALCE16V8Q-15JC/4	PALCE16V8L-15JC
7202A-65	7C424-65	PAL16R4LM	PALC16R4-40M	PALCE16V8Q-15PC/4	PALCE16V8L-15PC
7202A-65R	7C425-65	PAL16R4M	PALC16R4-40M	PALCE16V8Q-25JC/4	PALCE16V8L-25JC
7202A-80	7C424-65	PAL16R4QC	PALC16R4L-35C	PALCE16V8Q-25PC/4	PALCE16V8L-25PC
7202A-80R	7C425-65	PAL16R4QM	PALC16R4-40M	PALCE22V10H-7JC	PALCE22V10-10JC
7203A-15	7C429A-15	PAL16R6A-4C	PALC16R6L-35C	PALCE22V10H-10PC	PALC322V10-7PC
7203A-25	7C428-25	PAL16R6A-4M	PALC16R6-40M	PALCE22V10H-10JC	PALCE22V10-10JC
7203A-25R	7C429-25	PAL16R6AC	PALC16R6-25C	PALCE22V10H-10PC	PALCE22V10-10PC
7203A-35	7C428-30	PAL16R6ALC	PALC16R6-25C	PALCE22V10H-	PALC322V10-
7203A-35R	7C429-30	PAL16R6ALM	PALC16R6-30M	15/B3A	15LMB
7203A-50	7C428-40	PAL16R6AM	PALC16R6-30M	PALCE22V10H-	PALCE22V10-
7203A-50R	7C429-40	PAL16R6BM	PALC16R6-20M	15/BLA	15DMB
7203A-65	7C428-65	PAL16R6C	PALC16R6-35C	PALCE22V10H-15JC	PALCE22V10-15JC
7203A-65R	7C429-65	PAL16R6LC	PALC16R6-35C	PALCE22V10H-15PC	PALCE22V10-15PC
7203A-80	7C428-65	PAL16R6LM	PALC16R6-40M	PALCE22V10H-	PALCE22V10-
7203A-80R	7C429-65	PAL16R6M	PALC16R6-40M	20/B3A	20LMB
7204A-15	7C433A-15	PAL16R6QC	PALC16R6L-35C	PALCE22V10H-	PALCE22V10-
7204A-25	7C432-25	PAL16R6QM	PALC16R6-40M	20/BLA	20DMB
7204A-35	7C432-30	PAL16R8A-4C	PALC16R8L-35	PALCE22V10H-	PALCE22V10-
7204A-50	7C432-40	PAL16R8A-4M	PALC16R8-40M	25/B3A	25LMB



# Product Line Cross Reference

<b>AMD</b> PALCE22V10H-25/BLA PALCE22V10H-25JC PALCE22V10H-25PC PALCE22V10H-30/B3A PALCE22V10H-30/BLA		<b>CYPRESS</b> PALCE22V10-25DMB PALCE22V10-25JC PALCE22V10-25PC PALCE22V10-25LMB PALCE22V10-25DMB	
<b>ATMEL</b> PREFIX: AT SUFFIX: D SUFFIX: K SUFFIX: L SUFFIX: J SUFFIX: P SUFFIX: T 22V10 22V10-15 27C010-45C 27C010-55C 27C010-70C 27C010-90C 27C010-120C 27C010-150C 27C010-200C 27C512-70C 27C512-90C 27C512-120C 27C512-150C 27C512-200C 27C256R-70C 27C256R-90C 27C256R-120C 27C256R-150C 27C256R-200C 27HC256R-35C 27HC256R-45C 27HC256R-55C 27HC256R-70C 27HC256R-70M 27HC641-35C 27HC641-45C 27HC641-45M 27HC641-55C 27HC641-55M 27HC641-70C 27HC642-35C 27HC642-45C 27HC642-45M 27HC642-55C 27HC642-55M 27HC642-70C		<b>CYPRESS</b> PREFIX: CY SUFFIX: W SUFFIX: H SUFFIX: Q SUFFIX: J SUFFIX: P SUFFIX: Z PALC22V10 PALC22V10B 27H010-45C 27H010-55C 27C010-50C 27C010-90C 27C010-120C 27C010-150C 27C010-200C 27H512-70C 27C512-90C 27C512-120C 27C512-150C 27C512-200C 27C256-70C 27C256-90C+ 27C256-120C+ 27C256-150C+ 27C256-200C+ 27C256-35C 27C256-45C 27C256-55C 27C256-70C 27C256-70M 7C264-35C 7C264-45C 7C264-45M 7C264-55C 7C264-55M 7C264-70C 7C261-35C 7C261-45C 7C261-45M 7C261-55C 7C261-55M 7C261-55C	
<b>AUSTIN SEMICONDUCTOR</b> 5C2564-35M 5C2564-45M 5C2568-25M 5C2568-35M 5C2568-45B 5C2568CW-25M 5C2568CW-35M 5C2568CW-45B 5C2568W-25M 5C2568W-35M 5C2568W-45B 5C6401-20M 5C6401-25M 5C6401-30M 5C6401-35M 5C6404-20M 5C6404-25M 5C6404-30M 5C6404-35M 5C6408-20M 5C6408-25M 5C6408-30M 5C6408-35M		<b>CYPRESS</b> 7C194-35MB 7C194-45MB 7C199-25MB 7C199-35MB 7C199-45MB 7C198-25MB 7C198-35MB 7C198-45MB 7C198-25MB 7C198-35MB 7C198-45MB 7C187A-20MB 7C187A-25MB 7C187A-25MB 7C187A-35MB 7C164A-20MB 7C164A-25MB 7C164A-25MB 7C164A-35MB 7C185A-20MB 7C185A-25M 7C185A-25MB 7C185A-35MB	
<b>CATALYST</b> PREFIX: CAT 27HC256-55L 27HC256-70L 27HC256-90L 27HC256-120L 27HC256/LI-55 27HC256/LI-70		<b>CYPRESS</b> PREFIX: CY 27C256-55C+ 27C256-70C+ 27C256-70C+ 27C256-120C+ 27C256-55C/I 27C256-70C/I	
<b>DALLAS</b> PREFIX: DS 2009 2010 2011		<b>CYPRESS</b> PREFIX: CY 7C421-25C 7C425-25C 7C429-25C	
<b>DENSEPAK</b> PREFIX: DPS 6432-45C 6432-55C		<b>CYPRESS</b> PREFIX: CYM 1830HD-45C 1830HD-55C	
<b>EDI</b> PREFIX: ED 8464C-45 8F32256C 8F3264C 8F8512CXXBC 8F8512LPXXB6C 8F8512PXXB6C 8M3264CXXC6B 8M3264CXXC6C 8M32256CXXC6B 8M32256CXXC6B 8M8512CXXM6C		<b>CYPRESS</b> PREFIX: CYM 7C194-45 1841PZ 1831PZ 1465PC-XXC 1465LPD-XXC 1465LPD-XXC M1830HD-XXMB M1830HD-XXC M1840HD-XXMB M1840HD-XXC 1464PD-XXC	
<b>FUJITSU</b> PREFIX: MB PREFIX: MBM SUFFIX: F SUFFIX: M		<b>CYPRESS</b> PREFIX: CY PREFIX: CY SUFFIX: F SUFFIX: P	
<b>FUJITSU</b> SUFFIX: Z 2147H-35 2147H-45 2149-45 27C128-170C 27C128-200C 27C128-250C 27C256A-150C 27C256A-170C 27C256A-200C 7132E 7132E-SK 7132E-W 7132H 7132H-SK 7132L-70 7132Y 7132Y-SK 7138E-55 7138E-W 7138H-45 7138Y-35 7144E 7144E-W 7144H 71A38-25 71A38-35 71C44-35 71C44-45 71C46-45 7226RA/S-25 7232RA-25 7238RA-20 7238RA-20-W 7238RA-25 7238RA-25-W 8128-10 8128-15 8167-70W 8167A-55 8167A-70 8168-55 8171-55 8171-70 81C67-35 81C67-45 81C67-55W 81C68-45 81C68-55W 81C71-45 81C71-55 81C74-25 81C74-35 81C74-45 81C75-35 81C78-45 81C78-55 81C81A-35 81C81A-45 81C84A-35 81C84A-45		<b>CYPRESS</b> SUFFIX: D 2147-35C 2147-45C 2149-45C 27C128-150C+ 27C128-200C+ 27C128-200C+ 27C256-150C+ 27C256-150C+ 27C256-200C+ 7C282A-45C 7C281A-45C 7C282A-45M 7C282A-45C 7C281A-45C 7C281/2A-45C 7C282A-30C 7C281A-30C 7C291/2A-50C 7C291/2A-35C 7C291/2A-35C 7C264-55C 7C264-55M 7C264-55C 7C291/2A-25C 7C291/2A-35C 7C264-35C 7C264-45C 7C254-45C 7C225A-25C 7C235A-25C 7C245A-18C 7C245A-18M 7C245A-25C 7C245A-25M 7C128A-55C 7C128A-55C 7C167A-45M 7C167A-45C 7C167A-45C 7C168A-45C 7C187-45C 7C187-45C 7C167A-35C 7C167A-45C 7C167A-45M 7C168A-45C 7C168A-45M+ 7C187-45C 7C187-45C 7C164-25C 7C164-35C+ 7C164-45C 7C166-25C 7C166-35C 7C186-45C 7C186-55C 7C197-35 7C197-45 7C194-35 7C194-45	

**Note:** Unless otherwise noted, product meets all performance specs and is within 10 mA on I<sub>CC</sub> and 5 mA on I<sub>SB</sub>

- + = meets all performance specs but may not meet I<sub>CC</sub> or I<sub>SB</sub>
- \* = meets all performance specs except 2V data retention—may not meet I<sub>CC</sub> or I<sub>SB</sub>
- = functionally equivalent
- † = SOIC only
- ‡ = 32-pin LCC crosses to the 7C198M
- \*\* = See Austin Semiconductor for military products



# Product Line Cross Reference

<b>FUJITSU</b>	<b>CYPRESS</b>
81C86-70	7C192-45C+
8287-35	7C199-35
8287-45	7C199-45
8299	7C188
8464L-70	7C185-45C+
8464L-100	7C185-55C+
<b>HARRIS</b>	<b>CYPRESS</b>
PREFIX: HM	PREFIX: CY
PREFIX: HPL	PREFIX: CY
SUFFIX: 8	SUFFIX: B
PREFIX: 1	SUFFIX: D
PREFIX: 9	SUFFIX: F
PREFIX: 4	SUFFIX: L
PREFIX: 3	SUFFIX: P
16LC8-5	PALC16L8L-35C
16LC8-8	PALC16L8-40M
16LC8-9	PALC16L8-40M
16RC4-5	PALC16R4L-35C
16RC4-8	PALC16R4-40M
16RC4-9	PALC16R4-40M
16RC6-5	PALC16R6L-35C
16RC6-8	PALC16R6-40M
16RC6-9	PALC16R6-40M
16RC8-5	PALC16R8L-35C
16RC8-8	PALC16R8-40M
16RC8-9	PALC16R8-40M
6-7681-5	7C281A-45C
6-7681A-5	7C281A-45C
6-76161-2	7C291A-50M
6-76161-5	7C291A-50C
6-76161A-2	7C291A-50M
6-76161A-5	7C291A-50C
6-76161B-5	7C291A-35C
76641-2	7C264-55M
76641-5	7C264-55C
76641A-5	7C264-45C
7681-2	7C282A-45M
7681-5	7C282A-45C
7681A-5	7C282A-45C
76161-2	7C292A-50M
76161A-2	7C292A-50M
76161A-5	7C292A-50C
76161B-5	7C292A-35C
<b>HITACHI</b>	<b>CYPRESS</b>
PREFIX: HM	PREFIX: CY
PREFIX: HN	PREFIX: CY
PREFIX: HN48	PREFIX: CY
SUFFIX: CG	SUFFIX: L
SUFFIX: G	SUFFIX: D
SUFFIX: P	SUFFIX: P
25089	7C282-45C
25089S	7C282-45C
25169S	7C292-50C
27128G-25C	27C128-200C+
27256G-15	27C256-150C+
27256G-17	27C256-150C+
27256G-20	27C256-200C+
4847	2147-55C
4847-2	2147-45C
4847-3	2147-55C
6116ALS-12	6116A-55C*

<b>HITACHI</b>	<b>CYPRESS</b>
6116AS-12	6116A-55C+
6147	7C147-45C*
6147-3	7C147-45C*
6147H-35	7C147-35C+
6147H-45	7C147-45C+
6147H-55	7C147-45C+
6147HL-35	7C147-35C*
6147HL-45	7C147-45C*
6148	7C148-45C
6148H-35	21L48-35C
6148H-45	7C148-45C+
6148H-55	7C14845C+
6148HL-35	21L48-35C*
6148HL-45	7C148-45C*
6148L	7C148-45C*
6167-6	7C167A-45C+
6167-8	7C167A-45C+
6167H-55	7C167A-45C
6167H-70	7C167A-45C
6167L-6	7C167A-45C*
6167L-8	7C167A-45C*
6168H-45	7C168A-45C+
6168HL-45	7C168A-45C*
6207P-35	7C197-35
6207P-45	7C197-45
6208P-35	7C194-35
6208P-45	7C194-45
62256	7C198*
6267-35	7C167A-35C+
6267-45	7C167A-45C
6268-25	7C168A-25C
6268-35	7C168A-35C
62832H	7C199+
62832	7C199
6288-35	7C164-35C
62932	7C188
6707-20	7C197-20C
6707-25	7C197-25C
6707A-15	7C197-15C
6707A-20	7C197-20C
6707A-25	7C197-25C
6708-20	7C194-20C
6708-25	7C194-25C
6708A-15	7C194-15C
6708A-20	7C194-20C
6708A-25	7C194-25C
6709-20	7C195-20C
6709-25	7C195-25C
6709A-15	7C195-15C
6709A-20	7C195-20C
6709A-25	7C195-25C
6716-25	7C128A-25C
6716-30	7C128A-25C
6787-30	7C187-25C
6788-25	7C164-25C
6788-30	7C164-25C
<b>ICS</b>	<b>CYPRESS</b>
ICS9159C-02	CY2254SC-1
AV9159-01	CY2255SC-1
ICS9159-05	CY2260

<b>ICT</b>	<b>CYPRESS</b>
27CX256-35C	CY27H256-35C
27CX256-45C	CY27C256-45C
27CX256-55C	CY27C256-55C
<b>ICW</b>	<b>CYPRESS</b>
W84C60-202	CY2254SC-1
W84C60-402	CY2254SC-1
W48C60-203	CY2255SC-1
W84C60-404	CY2260
<b>IDT</b>	<b>CYPRESS</b>
PREFIX: IDT	PREFIX: CY
PREFIX: IDT	PREFIX: CYM
SUFFIX: B	SUFFIX: B
SUFFIX: D	SUFFIX: D
SUFFIX: F	SUFFIX: F
SUFFIX: L	SUFFIX: L
SUFFIX: P	SUFFIX: P
39C01CB	7C901-32M+
39C01CC	2901CC+
39C01CM	2901CM+
39C01DB	7C901-27M+
39C01DC	7C901-23C+
39C09A	7C909-40C+
39C09AB	7C909-40M+
39C10B	7C910-50C-
39C10BB	7C910-51M
39C11A	7C911-40C+
39C11AB	7C911-40M+
6116SA25	7C128A-25C
6116SA35	7C128A-35C
6116SA35	6116A-35C
6116SA35B	7C128A-35MB
6116SA35B	6116A-35MB
6116SA45	7C128A-45C
6116SA45	6116A-45C
6116SA45B	7C128A-45MB
6116SA45B	6116A-45MB
6116SA55B	7C128A-55MB
6116SA55B	6116A-55MB
61298SA15	7C196-15
61298SA25	7C196-25C
61298SA25B	7C196-25MB
61298SA35	7C196-35C
61298SA35B	7C196-35MB
61298SA45	7C196-45C
61298SA45B	7C196-45MB
6167SA15	7C167A-15C
6167SA20	7C167A-20C
6167SA20B	7C167A-20B
6167SA25	7C167A-25C
6167SA25B	7C167A-25M
6167SA35	7C167A-35C
6167SA35B	7C167A-35MB
6167SA45B	7C167A-45MB
6168SA15	7C168A-15C
6168SA20	7C168A-20C
6168SA20B	7C168A-20B
6168SA25	7C168A-25C
6168SA25B	7C168A-25MB
6168SA35	7C168A-35C
6168SA35B	7C168A-35MB



# Product Line Cross Reference

IDT	CYPRESS	IDT	CYPRESS	IDT	CYPRESS
6168SA45B	7C168A-45MB	71257SA45B	7C197-45MB	7130SA90J	7C131-55JC
6197SA15	7C170A-15C	71257SA55	7C197-45C	7130SA90LB	7C131-55LMB
6197SA15	7C170A-20C	71258SA25	7C194-25C	7130SA100	7C130-55C
6197SA25	7C170A-25C	71258SA25B	7C194-25MB	7130SA100B	7C130-55MB
6197SA35	7C170A-35C	71258SA35	7C194-35C	7130SA100LB	7C131-55LMB
6197SA35B	7C170A-35MB	71258SA35B	7C194-35MB	71321LA25	7C136-25C
6197SA45B	7C170A-45MB	71258SA45	7C194-45C	71321LA30	7C136-30C
6197SA55	7C170A-45C	71258SA45B	7C194-45MB	71321LA35	7C136-35C
6197SA55B	7C170A-45MB	71281SA25	7C191-25C	71321LA35B	7C136-35MB
6198SA15	7C166-15C	71281SA25B	7C191-25MB	71321LA45	7C136-45C
6198SA20	7C166-20C	71281SA35	7C191-35C	71321LA45B	7C136-45MB
6198SA20B	7C166-A20MB	71281SA35B	7C191-35MB	71321LA55	7C136-55C
6198SA25	7C166-25C	71281SA45	7C191-45C	71321LA55B	7C136-55MB
6198SA25B	7C166-A25MB	71281SA45B	7C191-45MB	71321LA70	7C136-55C
6198SA30B	7C166A-25MB	71282SA25	7C192-25C	71321LA70B	7C136-55MB
61B298S12	7C195-12C	71282SA25B	7C192-25MB	71321LA90	7C136-55C
61B298S15	7C195-15C	71282SA35	7C192-35C	71321LA90B	7C136-55MB
61B298S20	7C195-20C	71282SA35B	7C192-35MB	71321SA25	7C136-25C
61B298S15B	7C195-15MB	71282SA45	7C192-45C	71321SA30	7C136-30C
61B298S20B	7C195-20MB	7130LA25	7C130-25C	71321SA35	7C136-35C
7005S35	7B144-25C	7130LA25J	7C131-25JC	71321SA35B	7C136-35MB
7005S35	7B144-35C	7130LA30	7C130-30C	71321SA45	7C136-45C
7005SA45B	7B144-35MB	7130LA30J	7C131-30JC	71321SA45B	7C136-45MB
7006S25	7006S25C	7130LA35	7C130-35C	71321SA55	7C136-55C
7006S35	7006S35C	7130LA35B	7C130-35MB	71321SA55B	7C136-55MB
7015S25	7C145-25C	7130LA35J	7C131-35JC	71321SA70	7C136-55C
7015S35	7C145-35C	7130LA35LB	7C130-35LMB	71321SA70B	7C136-55MB
7016S25	7C016-25C	7130LA45	7C130-45C	71321SA90	7C136-55C
7016S35	7C016-35C	7130LA45B	7C131-45MB	71321SA90B	7C136-55MB
7024S25	7C024-25C	7130LA45J	7C131-45JC	713256-20	7C1399-20C
7024S35	7C024-35C	7130LA45LB	7C130-45LMB	713256-25	7C1399-25C
7025S25	7C025-25C	7130LA55	7C130-55C	7132LA25	7C132-25C
7025S35	7C025-35C	7130LA55B	7C131-55MB	7132LA30	7C132-30C
7133S25	7C133-25C	7130LA55J	7C131-55JC	7132LA35	7C132-35C
7133S35	7C133-35C	7130LA55L52B	7C130-55LMB	7132LA35B	7C132-35MB
7143S25	7C143-25C	7130LA70	7C130-55C	7132LA45	7C132-45C
7143S35	7C143-35C	7130LA70B	7C131-55MB	7132LA45B	7C132-45MB
71V256-15	7C1399-15C	7130LA70J	7C131-55JC	7132LA55	7C132-55C*
71V256-20	7C1399-20C	7130LA70LB	7C130-55LMB	7132LA55B	7C132-55MB
71V256-25	7C1399-25C	7130LA90LB	7C131-55LMB	7132LA70	7C132-55C*
71024-15	7C109A-15C	7130SA25	7C130-25C	7132LA70B	7C132-55M*
71024-20	7C109A-20C	7130SA25J	7C131-25JC	7132LA90	7C132-55C*
71024-20	7C109-20C	7130SA30	7C130-25C	7132LA90B	7C132-55M*
71024-25	7C109-25C	7130SA30J	7C131-30JC	7132LA100	7C132-55C*
71028-15	7C106A-15C	7130SA35	7C130-35C	7132LA100B	7C132-55M*
71028-20	7C106A-20C	7130SA35B	7C130-35MB	7132LA120B	7C132-55M*
71028-25	7C106A-25C	7130SA35J	7C131-35JC	7132SA25	7C132-25C
71256SA15	7C199-15C	7130SA35LB	7C131-35LMB	7132SA30	7C132-30C
71256SA20	7C199-20C	7130SA45	7C130-45C	7132SA35	7C132-35C
71256SA20B	7C199-20MB	7130SA45B	7C130-45MB	7132SA35B	7C132-35MB
71256SA25	7C198-25C	7130SA45J	7C131-45JC	7132SA45	7C132-45C
71256SA30	7C198-25C	7130SA45LB	7C131-45LMB	7132SA45B	7C132-45MB
71256SA30B	7C198-25MB	7130SA55	7C130-55C	7132SA55	7C132-55C+
71256SA35	7C198-35C	7130SA55B	7C130-55M	7132SA55B	7C132-55MB
71256SA35B	7C198-35MB	7130SA55J	7C131-55JC	7132SA70	7C132-55C+
71256SA45	7C198-45C	7130SA55LB	7C131-55LMB	7132SA70B	7C132-55M+
71256SA45B	7C198-45MB	7130SA70	7C130-55C	7132SA90	7C132-55C+
71257SA25	7C197-25C	7130SA70B	7C130-55MB	7132SA90B	7C132-55M+
71257SA25B	7C197-25MB	7130SA70J	7C131-55JC	7132SA100	7C132-55C+
71257SA35	7C197-35C	7130SA70LB	7C131-55LMB	7132SA100B	7C132-55M+
71257SA35B	7C197-35MB	7130SA90	7C130-55C	7132SA120B	7C132-55M+
71257SA45	7C197-45C	7130SA90B	7C130-55MB	71342S35	7B1342-25C

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- = functionally equivalent
- † = SOIC only
- ‡ = 32-pin LCC crosses to the 7C198M
- \*\* = See Austin Semiconductor for military products



## Product Line Cross Reference

IDT	CYPRESS	IDT	CYPRESS	IDT	CYPRESS
71342S35	7B1342-35C	71420-10	7C178-9.5	7164SA55B	7C185A-55MB
71342S45B	7B1342-35MB	71420-12	7C178-12	7164SA55BP	7C185A-55MB
7134S35	7B134-25C	71421LA25	7C146-25C	71681SA25	7C171A-25C
7134S35	7B134-35C	71421LA30	7C146-30C	71681SA25B	7C171A-25MB
7134S35J52	7B135-25JC	71421LA35	7C146-35C	71681SA35	7C171A-35C
7134S35J52	7B135-35JC	71421LA35B	7C146-35MB	71681SA35B	7C171A-35MB
7134S35L52	7B135-25LC	71421LA45	7C146-45C	71681SA45	7C171A-45C
7134S35L52	7B135-35LC	71421LA45B	7C146-45MB	71681SA45B	7C171A-45MB
7134S45B	7B134-35MB	71421LA55	7C146-55C	71681SA55B	7C171A-45MB
7134S45L52B	7B135-35LMB	71421LA55B	7C146-55MB	71681SA70B	7C171A-45MB
7140LA25	7C140-25C	71421LA70	7C146-55C	71681SA85B	7C171A-45MB
7140LA25J	7C141-25JC	71421LA70B	7C146-55MB	71682SA25	7C172A-25C
7140LA30	7C140-30C	71421LA90	7C146-55C	71682SA25B	7C172A-25MB
7140LA30J	7C141-30JC	71421LA90B	7C146-55MB	71682SA35	7C172A-35C
7140LA30L52	7C141-30LC	71421SA25	7C146-25C	71682SA35B	7C172A-35MB
7140LA35	7C140-35C	71421SA30	7C146-30C	71682SA45	7C172A-45C
7140LA35B	7C140-35MB	71421SA35	7C146-35C	71682SA45B	7C172A-45MB
7140LA35J	7C141-35JC	71421SA35B	7C146-35MB	71682SA100B	7C172A-45MB
7140LA35LB	7C141-35LMB	71421SA45	7C146-45C	7187SA15	7C187-15C
7140LA45	7C140-45C	71421SA45B	7C146-45MB	7187SA20	7C187-20C
7140LA45B	7C140-45MB	71421SA55	7C146-55C	7187SA25	7C187-25C
7140LA45J	7C141-45JC	71421SA55B	7C146-55MB	7187SA25B	7C187A-25MB
7140LA45LB	7C141-45LMB	71421SA70	7C146-55C	7187SA30	7C187-25C
7140LA55	7C140-55C	71421SA70B	7C146-55MB	7187SA30B	7C187A-25MB
7140LA55B	7C140-55MB	71421SA90	7C146-55C	7187SA35	7C187-35C
7140LA55J52	7C141-55JC	71421SA90B	7C146-55MB	7187SA35B	7C187A-35MB
7140LA55LB	7C141-55LMB	7142LA25	7C142-25C	7187SA45B	7C187A-45MB
7140LA70	7C140-55C	7142LA30	7C142-30C	7188SA15	7C164-15C
7140LA70B	7C140-55MB	7142LA35	7C142-35C	7188SA20	7C164-20C
7140LA70J	7C141-55JC	7142LA35B	7C142-35MB	7188SA20B	7C164A-20MB
7140LA70LB	7C141-55LMB	7142LA45	7C142-45C	7188SA25	7C164-25C
7140LA90J	7C141-55JC	7142LA45B	7C142-45MB	7188SA25B	7C164A-25MB
7140LA90LB	7C141-55LMB	7142LA55	7C142-55C	7188SA30	7C164-25C
7140SA25	7C140-25C	7142LA55B	7C142-55MB	7188SA35	7C164-35C
7140SA25J	7C141-25JC	7142LA70	7C142-55C	7188SA35B	7C164A-35MB
7140SA30	7C140-30C	7142LA70B	7C142-55MB	71981S35	7C161-35C
7140SA30J	7C141-30JC	7142SA25	7C142-25C	71981S35B	7C161A-35M
7140SA35	7C140-35C	7142SA30	7C142-30C	71981S45	7C161-45C
7140SA35B	7C140-35MB	7142SA35	7C142-35C	71981S45B	7C161A-45M
7140SA35J	7C141-35JC	7142SA35B	7C142-35MB	71981S55B	7C161A-45M
7140SA35LB	7C141-35LMB	7142SA45	7C142-45C	71981S70B	7C161A-45M
7140SA45	7C140-45C	7142SA45B	7C142-45MB	71981S85B	7C161A-45M
7140SA45B	7C140-45MB	7142SA55	7C142-55C	71982S35	7C162-35C
7140SA45J	7C141-45JC	7142SA55B	7C142-55MB	71982S35B	7C162A-35M
7140SA45LB	7C141-45LMB	7142SA70	7C142-55C	71982SA5B	7C162A-45M
7140SA55	7C140-55C	7142SA70B	7C142-55MB	7198S35	7C166-35C
7140SA55B	7C140-55MB	7164SA20	7C185-20C	7198S35B	7C166A-35M
7140SA55J	7C141-55JC	7164SA20P	7C186-20C	7198S45B	7C166A-45M
7140SA55LB	7C141-55LMB	7164SA25	7C185-25C	71B256A12	7C199-12C
7140SA70	7C140-55C	7164SA25B	7C185A-25MB	71B256S20	7C199-20C
7140SA70B	7C140-55MB	7164SA25P	7C186-25C	71B256S20B	7C199-20MB
7140SA70J	7C141-55JC	7164SA25PB	7C186A-25MB	71B256SA12	7C199-12C
7140SA70LB	7C141-55LMB	7164SA30	7C185-25C	71B258S12	7C194-12C
7140SA90	7C140-55C	7164SA30B	7C185A-25MB	71B258S15	7C194-15C
7140SA90B	7C140-55MB	7164SA30P	7C186-25C	71B258S15B	7C194-15MB
7140SA90J	7C141-55JC	7164SA30PB	7C186A-25MB	71B258S20	7C194-20C
7140SA90LB	7C141-55LMB	7164SA35	7C185-35C	71B258S20B	7C194-20MB
7140SA100	7C140-55C	7164SA35B	7C185A-35MB	71B259	7C188
7140SA100B	7C140-55MB	7164SA35P	7C186-35C	7200LA15	7C419-15
7140SA100L	7C141-55C	7164SA35PB	7C186A-35MB	7200LA20T	7C419-20
7140SA100LB	7C141-55MB	7164SA45B	7C185A-45MB	7200LA25T	7C419-25
71420-9	7C178-8.5	7164SA45PB	7C186A-45MB	7200LA30T	7C419-30



# Product Line Cross Reference

IDT	CYPRESS	IDT	CYPRESS	IDT	CYPRESS
7200LA35T	7C419-30	7202LA20T	7C425-20C	7203L80	7C428-65C
7200LA40T	7C419-40	7202LA25	7C424-25C	7203L80B	7C428-65MB
7200LA50T	7C419-50	7202LA25T	7C425-25C	7203L80T	7C429-65C
7200LA65T	7C419-65	7202LA30B	7C424-30MB	7203L80TB	7C429-65MB
7200LA80T	7C419-65	7202LA30TB	7C425-30MB	7203S20	7C428-20C
7200SA15	7C419-15	7202LA35	7C424-30C+	7203S20T	7C429-20C
7200SA20T	7C419-20	7202LA35T	7C425-30C	7203S25	7C428-25C
7200SA25T	7C419-25	7202LA40B	7C424-40MB+	7203S25B	7C428-25MB
7200SA30T	7C419-30	7202LA40TB	7C425-40MB	7203S25T	7C429-25C
7200SA35T	7C419-30	7202LA50	7C424-40C+	7203S25TB	7C429-25MB
7200SA40T	7C419-40	7202LA50B	7C424-40MB+	7203S30	7C428-30C
7200SA50T	7C419-50	7202LA50T	7C425-40C	7203S30T	7C429-30C
7200SA65T	7C419-65	7202LA50TB	7C425-40MB	7203S35B	7C428-30MB
7200SA80T	7C419-65	7202LA65	7C424-65C+	7203S35TB	7C429-30MB
7201LA15	7C421-15	7202LA65B	7C424-65MB+	7203S40	7C428-40C
7201LA20	7C420-20C	7202LA65T	7C425-65C	7203S40T	7C429-40C
7201LA20T	7C421-20C	7202LA65TB	7C425-65MB	7203S55B	7C428-40MB
7201LA25	7C420-25C	7202LA80	7C424-65C+	7203S55TB	7C429-40MB
7201LA25T	7C421-25C	7202LA80B	7C424-65MB+	7203S65	7C428-65C
7201LA30B	7C420-30MB	7202LA120	7C424-65C+	7203S65B	7C428-65MB
7201LA30TB	7C421-30MB	7202LA120B	7C424-65MB+	7203S65T	7C429-65C
7201LA35	7C420-30C+	7202SA15	7C425-15	7203S65TB	7C429-65MB
7201LA35T	7C421-30C	7202SA20	7C424-20C	7203S80	7C428-65C
7201LA40B	7C420-40MB+	7202SA20T	7C425-20C	7203S80B	7C428-65MB
7201LA40TB	7C421-40MB	7202SA25	7C424-25C	7203S80T	7C429-65C
7201LA50	7C420-40C+	7202SA25T	7C425-25C	7203S80TB	7C429-65MB
7201LA50B	7C420-40MB+	7202SA30B	7C424-30MB	7204S25	7C432-25C
7201LA50T	7C421-40C	7202SA30TB	7C425-30MB	7204S25T	7C433-25C
7201LA50TB	7C421-40MB	7202SA35	7C424-30C	7204S30	7C432-30C
7201LA65	7C420-65C+	7202SA35T	7C425-30C	7204S30T	7C433-30C
7201LA65B	7C420-65MB+	7202SA40B	7C424-40MB	7204S35B	7C432-30MB
7201LA65T	7C421-65C	7202SA40TB	7C425-40MB	7204S35TB	7C433-30MB
7201LA65TB	7C421-65MB	7202SA50	7C424-40C	7204S40	7C432-40C
7201LA80	7C420-65C+	7202SA50B	7C424-40MB	7204S40T	7C433-40C
7201LA80B	7C420-65MB+	7202SA50T	7C425-40C	7204S55B	7C432-40MB
7201LA120	7C420-65C+	7202SA50TB	7C425-40MB	7204S55TB	7C433-40MB
7201LA120B	7C420-65MB+	7202SA65	7C424-65C	7204S65	7C432-65C
7201SA15	7C421-15	7202SA65B	7C424-65MB	7204S65B	7C432-65MB
7201SA20	7C420-20C	7202SA65T	7C425-65C	7204S65T	7C433-65C
7201SA20T	7C421-20C	7202SA65TB	7C425-65MB	7204S65TB	7C433-65MB
7201SA25	7C420-25C	7202SA80	7C424-65C	7204S80B	7C432-65MB
7201SA25T	7C421-25C	7202SA80B	7C424-65MB	7204S80TB	7C433-65MB
7201SA30B	7C420-30MB	7202SA120	7C424-65C	7205L20	7C460-15C
7201SA30TB	7C421-30MB	7202SA120B	7C424-65MB	7205L25	7C460-25C
7201SA35	7C420-30C	7203L20	7C428-20C	7205L30B	7C460-15MB
7201SA35T	7C421-30C	7203L20T	7C429-20C	7205L30B	7C460-25MB
7201SA40B	7C420-40MB	7203L25	7C428-25C	7205L35	7C460-25C
7201SA40TB	7C421-40MB	7203L25B	7C428-25MB	7205L50	7C460-40C
7201SA50	7C420-40C	7203L25T	7C429-25C	7205L50B	7C460-40MB
7201SA50B	7C420-40MB	7203L25TB	7C429-25MB	7206-15	7C462-15
7201SA50T	7C421-40C	7203L30	7C428-30C	7206-20	7C462-20
7201SA50TB	7C421-40MB	7203L30T	7C429-30C	7206-25	7C462-25
7201SA65	7C420-65C	7203L35B	7C428-30MB	72201L15	7C4201-15
7201SA65B	7C420-65MB	7203L35TB	7C429-30MB	72201L25	7C4201-25
7201SA65T	7C421-65C	7203L40	7C428-40C	72201L35	7C4201-35
7201SA65TB	7C421-65MB	7203L40T	7C429-40C	72205LB15	7C4205-15
7201SA80	7C420-65C	7203L55B	7C428-40MB	72205LB25	7C4205-25
7201SA80B	7C420-65MB	7203L55TB	7C429-40MB	72205LB35	7C4205-35
7201SA120	7C420-65C	7203L65	7C428-65C	72211L15	7C4211-15
7201SA120B	7C420-65MB	7203L65B	7C428-65MB	72211L25	7C4211-25
7202LA15	7C425-15	7203L65T	7C429-65C	72211L35	7C4211-35
7202LA20	7C424-20C	7203L65TB	7C429-65MB	72215LB15	7C4215-15

**Note:** Unless otherwise noted, product meets all performance specs and is within 10 mA on I<sub>CC</sub> and 5 mA on I<sub>SB</sub>

- + = meets all performance specs but may not meet I<sub>CC</sub> or I<sub>SB</sub>
- \* = meets all performance specs except 2V data retention—may not meet I<sub>CC</sub> or I<sub>SB</sub>
- = functionally equivalent
- † = SOIC only
- ‡ = 32-pin LCC crosses to the 7C198M
- \*\* = See Austin Semiconductor for military products





# Product Line Cross Reference

IDT	CYPRESS
72215LB25	7C4215-25
72215LB35	7C4215-35
72221L15	7C4221-15
72221L25	7C4221-25
72221L35	7C4221-35
72225LB15	7C4225-15
72225LB25	7C4225-25
72225LB35	7C4225-35
72231L15	7C4231-15
72231L25	7C4231-25
72231L35	7C4231-35
72235LB15	7C4235-15
72235LB25	7C4235-25
72235LB35	7C4235-35
72241L15	7C4241-15
72241L25	7C4241-25
72241L35	7C4241-35
72245LB15	7C4245-15
72245LB25	7C4245-25
72245LB35	7C4245-35
72401L10	7C401-10C
72401L10B	7C401-10MB
72401L15	7C401-15C
72401L15B	7C401-15MB
72401L25	7C401-25C
72401L25B	7C401-25MB
72401L35	7C401-25C
72401L35B	7C401-25MB
72401L45	7C401-25C
72402L10	7C402-10C
72402L10B	7C402-10MB
72402L15	7C402-15C
72402L15B	7C402-15MB
72402L25	7C402-25C
72402L25B	7C402-25MB
72402L35	7C402-25C
72402L35B	7C402-25MB
72402L45	7C402-25C
72403L10	7C403-10C
72403L10B	7C403-10MB
72403L15	7C403-15C
72403L15B	7C403-15MB
72403L25	7C403-25C
72403L25B	7C403-25MB
72403L35	7C403-25C
72403L35B	7C403-25MB
72403L45	7C403-25C
72404L10	7C404-10C
72404L10B	7C404-10MB
72404L15	7C404-15C
72404L15B	7C404-15MB
72421L15	7C4421-15
72421L25	7C4421-25
72421L35	7C4421-35
72404L25	7C404-25C
72404L25B	7C404-25MB
72404L35	7C404-25C
72404L35B	7C404-25MB
72404L45	7C404-25C
7M4017S40C	1830HD-35C
7M4017S45C	1830HD-45C
7M4017S50C	1830HD-45C

IDT	CYPRESS
7M4017S50CB	1830HD-45MB
7M4017S55C	1830HD-55C
7M4017S60C	1830HD-55C
7M4017S60CB	1830HD-55MB
7M4017S70C	1830HD-55C
7M4017S70CB	1830HD-55MB
7MP4031	M1821PZ
7MP4036Z	M1831PZ
7MP4036M	M1831PM
7MP4036Z	M1836PZ
7MP4036M	M1836PM
7MP4045Z	M1841PZ
7MP4045M	M1841PM
7MP4120Z	M1851PZ
7MP4120M	M1851PM
7MP6121S	M7450PM-33C
7MP6122S	M7451PM-33C
7MP6133S33	M7427PB-20
7MP6134S33	M7428PB-20
7MP6151S33	M9230PB-20
7MP6152S33	M9231PB-20
7MP6157S	M7432PB-12/15C
7MP6183S	M7424PB-20C
7MP6184S	M7425PB-20C

IMI	CYPRESS
IMISC478	CY2254SC-1
IMISC498	CY2254SC-1

INTEL	CYPRESS
PREFIX: 85C	PREFIX: CY
PREFIX: 85C	PREFIX: PLD
PREFIX: D	SUFFIX: D
PREFIX: L	SUFFIX: L
PREFIX: P	SUFFIX: P
SUFFIX: /B	SUFFIX: B
1223-35	7C148-35C
1223M-35	7C148-25M+
1400-35	7C167A-35C
1400M-45	7C167A-45M
1403-25	7C167A-25C
1403-35	7C167A-35C+
1403LM-35	7C167A-35M*
1403M-35	7C167A-35M+
1420-45	7C168A-35C
1420M-55	7C168A-45M+
1423-25	7C168A-25C+
1423-35	7C168A-35C+
1423M-35	7C168A-35M*
1433-30	7C128A-25C+
1433-35	7C128A-35C+
1433M-35	7C128A-35M+
22V10-10C	PALC22V10D-7C
22V10-10C	PALC22V10D-10C
22V10-10C	PAL22V10C-7C+
22V10-10C	PAL22V10C-10C+
22V10-15C	PALC22V10B-15C
22V10-15C	PALC22V10D-15C

ISSI	CYPRESS
PREFIX: IS	PREFIX: CY
SUFFIX: CW	SUFFIX: W
SUFFIX: PL	SUFFIX: J
27HC010-30C	27H010-30C
27HC010-45C	27H010-45C
27HC010-55C	27H010-55C
27HC010-70C	27C010-70C

LATTICE	CYPRESS
PREFIX: EE	PREFIX: CY
PREFIX: GAL	PREFIX: CY
PREFIX: ST	PREFIX: CY
SUFFIX: B	SUFFIX: B
SUFFIX: D	SUFFIX: D
SUFFIX: L	SUFFIX: L
SUFFIX: P	SUFFIX: P
GAL16V8A-10LJ	PALCE16V8-10JC
GAL16V8A-10LP	PALCE16V8-10PC
GAL16V8A-15LJ	PALCE16V8-15JC
GAL16V8A-15LP	PALCE16V8-15PC
GAL16V8A-15QJ	PALCE16V8L-15JC
GAL16V8A-15QP	PALCE16V8L-15PC
GAL16V8A-L5LJ	PALCE16V8-25JC
GAL16V8A-25LP	PALCE16V8-25PC
GAL16V8A-25QJ	PALCE16V8L-25JC
GAL16V8A-25QP	PALCE16V8L-25PC
GAL16V8B-7LJ	PALCE16V8-7JC
GAL16V8B-7LP	PALCE16V8-7PC
GAL16V8B-10LJ	PALCE16V8-10JC
GAL16V8B-10LJI	PALCE16V8-10JI
GAL16V8B-10LP	PALCE16V8-10PC
GAL16V8B-10LPI	PALCE16V8-10PI
GAL16V8B-15LJ	PALCE16V8-15JI
GAL16V8B-15LPI	PALCE16V8-15PI
GAL16V8B-25LJ	PALCE16V8-25JI
GAL16V8B-25LPI	PALCE16V8-25PI
GAL16V8C-5LJ	PALCE16V8-5JC
GAL20V8A	PALCE20V8
GAL20V8B	PALCE20V8
GAL22V10B-7LJ	PALCE22V10-7JC
GAL22V10B-7LP	PALCE22V10-7PC
GAL22V10B-10LJ	PALCE22V10-10JC
GAL22V10B-10LP	PALCE22V10-10PC
GAL22V10B-15LD	PALCE22V10-15DMB
/883	
GAL22V10B-15LJ	PALCE22V10-15JC
GAL22V10B-15LJI	PALCE22V10-15JI
GAL22V10B-15LP	PALCE22V10-15PC
GAL22V10B-15LPI	PALCE22V10-15PI
GAL22V10B-15LR	PALCE22V10-15LMB
/883	
GAL22V10B-20LJ	PALCE22V10-15JI
GAL22V10B-20LD	PALCE22V10-15DMB
/883	
GAL22V10B-20LPI	PALCE22V10-15PI
GAL22V10B-20LR	PALCE22V10-15LMB
/883	
GAL22V10B-25LD	PALCE22V10-25DMB
/883	
GAL22V10B-25LJ	PALCE22V10-25JC
GAL22V10B-25LJI	PALCE22V10-25JI
GAL22V10B-25LP	PALCE22V10-25PC
GAL22V10B-25LPI	PALCE22V10-25PI



# Product Line Cross Reference

LATTICE	CYPRESS
GAL22V10B-25LR/883	PALCE22V10-25LMB
GAL22V10B-30LD/883	PALCE22V10-25DMB
GAL22V10B-30LR/883	PALCE22V10-25LMB
GAL22V10C-5LJ	PALCE22V10-5JC
GAL22V10C-7LJ	PALCE22V10-7JC
GAL22V10C-7PC	PALCE22V10-7PC

MACRONIX	CYPRESS
PREFIX: MX	PREFIX: CY
SUFFIX: P	SUFFIX: P
SUFFIX: Q	SUFFIX: J
SUFFIX: D	SUFFIX: W
SUFFIX: T	SUFFIX: Z
27C1000-45C	27H010-45C
27C1000-55C	27C010-55C
27C1000-70C	27C010-70C
27C1000-90C	27C010-90C
27C1000-120C	27C010-120C
27C1000-150C	27C010-150C
27C1000-200C	27C010-200C
27C256-45C	27C256-45C
27C256-55C	27C256-55C
27C256-70C	27C256-70C
27C256-90C	27C256-90C
27C256-120C	27C256-120C
27C256-150C	27C256-150C
27C256-200C	27C256-200C
27C512-45C	27H512-45C
27C512-55C	27H512-55C
27C512-70C	27H512-70C
27C512-90C	27C512-90C
27C512-120C	27C512-120C
27C512-150C	27C512-150C
27C512-200C	27C512-200C

MICROCHIP	CYPRESS
SUFFIX: J	SUFFIX: W
SUFFIX: P	SUFFIX: P
SUFFIX: L	SUFFIX: J
27C64-12	27C64-120C
27C64-15	27C64-150C
27C64-17	27C64-150C
27C64-20	27C64-200C
27C64-25	27C64-200C
27C128-12	CY27C128-120C+
27C128-15	CY27C128-150C+
27C128-17	CY27C128-150C+
27C128-20	CY27C128-200C+
27C128-25	CY27C128-200C+
27C256-10	CY27C256-90C+
27C256-12	CY27C256-120C+
27C256-15	CY27C256-150C+
27C256-20	CY27C256-200C+
27C512-10	27C512-90C
27C512-12	27C512-120C
27C512-15	27C512-150C
27C512-20	27C512-200C
27C512-90	27C512-90C
27HC256-55	CY27C256-55C

MICROCHIP	CYPRESS
27HC256-70	CY27C256-70C
27HC256-90	CY27C256-90C

MICRON**	CYPRESS
PREFIX: MT	PREFIX: CY
58LC64K18B2	7C1331
5C1001-15C	7C107A-15C
5C1001-20C	7C107A-20C
5C1001-25C	7C107A-25C
5C1008-20C	7C109-20C
5C1008-25C	7C109-25C
5C1008-12C	7C109A-12C
5C1008-15C	7C109A-15C
5C1008-20C	7C109A-20C
5C1601-15	7C167A-15C
5C1601-20C	7C167A-20C
5C1601-25C	7C167A-25C
5C1601-30	7C167A-25C
5C1601-35C	7C167A-35C
5C1604-15	7C168A-15C
5C1604-20C	7C168A-20C
5C1604-25C	7C168A-25C
5C1604-30	7C168A-25C
5C1604-35C	7C168A-35C
5C1605-15	7C170A-15C
5C1605-20C	7C170A-20C
5C1605-25C	7C170A-25C
5C1605-30	7C170A-25C
5C1605-35C	7C170A-35C
5C1608-15	7C128A-15C
5C1608-20C	7C128A-20C
5C1608-25C	7C128A-25C
5C1608-35C	7C128A-35C
5C2561-12	7C197-12
5C2561-15	7C197-15
5C2561-20	7C197-20
5C2561-25	7C197-25C
5C2561-30	7C197-25C
5C2561-35	7C197-35C
5C2561-45	7C197-45C
5C2564-12	7C194-12
5C2564-15	7C194-15
5C2564-20	7C194-20
5C2564-25	7C194-25C
5C2564-30	7C194-25C
5C2564-35	7C194-35C
5C2564-45	7C194-45C
5C2565-12	7C195-12
5C2565-15	7C195-15
5C2565-20	7C195-20
5C2565-25	7C195-25C
5C2565-30	7C195-25C
5C2565-35	7C195-35C
5C2565-45	7C195-45C
5C2568-12	7C199-12
5C2568-15	7C199-15
5C2568-20	7C199-20
5C2568-25	7C199-25C
5C2568-30	7C199-25C
5C2568-35	7C199-35C
5C2568-45	7C199-45C
5C2889-20C	7C188-20C
5C2889-25C	7C188-25C

MICRON**	CYPRESS
5C6404-15	7C164-15C
5C6404-20	7C164-20C
5C6404-25	7C164-25C
5C6404-30	7C164-25C
5C6404-35	7C164-35C
5C6405-15	7C166-15C
5C6405-20C	7C166-20C
5C6405-25C	7C166-25C
5C6405-30	7C166-25C
5C6405-35C	7C166-35C
5C6408-15	7C185-15C
5C6408-20C	7C185-20C
5C6408-25C	7C185-25C
5C6408-30	7C185-25C
5C6408-35C	7C185-35C
5LC2568-15	7C1399-15
5LC2568-20C	7C1399-20C
5LC2568-25C	7C1399-25C
58LC64K18-9	7C1031-8.5
58LC64K18-10	7C1031-10
85C1664-30C	1620HD-30C
85C8128-25	M1420PD-25C
85C8128-35	M1420PD-35C
85C8128-45C	1423PD-45C
8S1632Z	M1821PZ
8S1632M	M1821PM
8S6432Z	M1831PZ
8S6432M	M1831PM
8S25632Z	M1841PZ
8S25632M	M1841PM
4S12832Z	M1836PZ
4S12832M	M1836PM

MITSUBISHI	CYPRESS
PREFIX: M5L	PREFIX: CY
PREFIX: M5M	PREFIX: CY
SUFFIX: AP	SUFFIX: L
SUFFIX: FP	SUFFIX: F
SUFFIX: K	SUFFIX: D
SUFFIX: P	SUFFIX: P
21C67P-35	7C167A-35C
21C67P-45	7C167A-45C
21C67P-55	7C167A-45C
21C68P-35	7C168A-35C
21C68P-45	7C168A-45C
21C68P-55	7C168A-45C
27C256-85	27C256-70C+
27C256-100	27C256-90C+
27C256-120	27C256-120C+
27C256-150	27C256-150C+
27C256-170	27C256-150C+
5165L-70	7C186-55C+
5165L-100	7C186-55C+
5165L-120	7C186-55C+
5165P-70	7C186-55C+
5165P-100	7C186-55C+
5165P-120	7C186-55C+
5178P-45	7C186-45C+
5178P-55	7C186-55C+
5187P-25	7C187-25C
5187P-35	7C187-35C
5187P-45	7C187-45C
5187P-55	7C187-45C

**Note:** Unless otherwise noted, product meets all performance specs and is within 10 mA on I<sub>CC</sub> and 5 mA on I<sub>SB</sub>

- + = meets all performance specs but may not meet I<sub>CC</sub> or I<sub>SB</sub>
- \* = meets all performance specs except 2V data retention—may not meet I<sub>CC</sub> or I<sub>SB</sub>
- = functionally equivalent
- † = SOIC only
- ‡ = 32-pin LCC crosses to the 7C198M
- \*\* = See Austin Semiconductor for military products

## Product Line Cross Reference

MITSUBISHI		CYPRESS	MMI/AMD		CYPRESS	MOTOROLA		CYPRESS
5188P-25		7C164-25C		PAL16R6B-4C	PALC16R6L-35C		2167H-35	7C167A-35C
5188P-35		7C164-35C		PAL16R6B-4M	PALC16R6-40M		2167H-45	7C167A-45C
5188P-45		7C164-45C		PAL16R6BM	PALC16R6-20M		6164-45	7C186-45C
5188P-55		7C164-45C		PAL16R6C	PALC16R6-35C		6168-35	7C168A-35C+
5257J-35		7C197-35C		PAL16R6D-4C	PALC16R6L-25C		6205D-20	7C188-20C
5257J-45		7C197-45C		PAL16R6M	PALC16R6-40M		6205D-25	7C188-25C
5257P-35		7C197-35C		PAL16R8A-2C	PALC16R8-35C		6206D-12	7C199-12C
5257P-45		7C197-45C		PAL16R8A-2M	PALC16R8-40M		6206D-15	7C199-15
5258J-45		7C194-45C		PAL16R8A-4C	PALC16R8L-35C		6206D-20	7C199-20
5258P-35		7C194-35C		PAL16R8A-4M	PALC16R8-40M		6206D-25	7C199-25
5258P-45		7C194-45C		PAL16R8AC	PALC16R8-25C		6206D-35	7C199-35C
52B79P/J		7C188		PAL16R8AM	PALC16R8-30M		6207C-15	7C197-15
				PAL16R8B-2C	PALC16R8-25C		6207C-20	7C197-20
				PAL16R8B-2M	PALC16R8-30M		6207C-25	7C197-25
				PAL16R8B-4C	PALC16R8L-35C		6207C-35	7C197-35
				PAL16R8B-4M	PALC16R8-40M		6208C-12	7C194-12C
				PAL16R8BM	PALC16R8-20M		6208C-15	7C194-15C
				PAL16R8C	PALC16R8-35C		6208C-20	7C194-20
				PAL16R8D-4C	PALC1648L-25C		6208C-25	7C194-25
				PAL16R8M	PALC16R8-40M		6208C-35	7C194-35
				PAL18L4C	PLDC20G10-35C		6209C-12	7C195-12C
				PAL18L4M	PLDC20G10-40M		6209-15	7C195-15C
				PAL20L10AC	PLDC20G10-35C		6209C-20	7C195-20C
				PAL20L10AM	PLDC20G10-30M		6209C-25	7C195-25C
				PAL20L10C	PLDC20G10-35C		6226-20	7C109-20C
				PAL20L10M	PLDC20G10-40M		6226-25	7C109-25C
				PAL20L2C	PLDC20G10-35C		6264-15C	7C185-15C
				PAL20L2M	PLDC20G10-40M		6264-25	7C185-25C
				PAL20L8A-2C	PLDC20G10-35C		6264-25	7C186-25C
				PAL20L8A-2M	PLDC20G10-40M		6264-30	7C185-25C
				PAL20L8AC	PLDC20G10-25C		6264-30	7C186-25C
				PAL20L8AM	PLDC20G10-30M		6264-35	7C185-35C
				PAL20L8C	PLDC20G10-35C		6264-35	7C186-35C
				PAL20L8M	PLDC20G10-40M		6264-45	7C186-45C
				PAL20R4A-2C	PLDC20G10-35C		6265C-25	7C182-25C
				PAL20R4A-2M	PLDC20G10-40M		6268P25	7C168A-25C
				PAL20R4AC	PLDC20G10-25C		6268P35	7C168A-35C
				PAL20R4AM	PLDC20G10-30M		6268P40	7C168A-40C
				PAL20R4C	PLDC20G10-35C		6268P45	7C168A-45C
				PAL20R4M	PLDC20G10-40M		6269P20	7C169A-20C
				PAL20R6A-2C	PLDC20G10-35C		6269P25	7C169A-25C
				PAL20R6A-2M	PLDC20G10-40M		6269P35	7C169A-35C
				PAL20R6AC	PLDC20G10-25C		6270-20	7C170A-20C
				PAL20R6AM	PLDC20G10-30M		6270-25	7C170A-25C
				PAL20R6C	PLDC20G10-35C		6270-35	7C170A-35C
				PAL20R6M	PLDC20G10-40M		6287-15	7C187-15C
				PAL20R8A-2C	PLDC20G10-35C		6287-20	7C187-20C
				PAL20R8A-2M	PLDC20G10-40M		6287-25	7C187-25C
				PAL20R8AC	PLDC20G10-25C		6287-35	7C187-35C
				PAL20R8AM	PLDC20G10-30M		6288-15	7C164-15C
				PAL20R8C	PLDC20G10-35C		6288-25	7C164-25C
				PAL20R8M	PLDC20G10-40M		6288-30	7C164-25C
				PALC22V10/A	PALC22V10-35C		6288-35	7C164-35C
							6290-15	7C166-15C
							6290-20	7C166-20C
							6290-25	7C166-25C
							6290-35	7C166-35C
							62V06D-20	7C1399-20C
							62V06D-25	7C1399-25C
							6726A-12	7C109A-12C
							6726A-15	7C109A-15C
							6726A-20	7C109A-20C



# Product Line Cross Reference

MOTOROLA	CYPRESS
67H518-9	7C178-8.5
67H518-12	7C178-12
67H518-9	7C1031-8.5
67H518-12	7C1031-12
NATIONAL	CYPRESS
PREFIX:DM	PREFIX:CY
PREFIX:GAL	PREFIX:None
PREFIX:IDM	PREFIX:CY
PREFIX:NM	PREFIX:CY
PREFIX:NM	PREFIX:CY
SUFFIX:A	SUFFIX:Z
SUFFIX:J	SUFFIX:D
SUFFIX:N	SUFFIX:P
SUFFIX:Q	SUFFIX:W
SUFFIX:V	SUFFIX:J
18L4C	PLDC20G10-35C
18L4M	PLDC20G10-40M
20L2M	PLDC20G10-40M
2147H	2147-C
2147H	7C147-C
2148H	7C148-C
2148H	2148-C
2148H	21L48-C
27C010-120C	27C010-120C
27C010-150C	27C010-150C
27C010-200C	27C010-200C
27C64-100C	27C64-90C
27C64-120C	27C64-120C
27C64-150C	27C64-150C
27C64-200C	27C64-200C
27C128-12C	27C128-120C+
27C128-15C	27C128-150C+
27C128-20C	27C128-200C+
27C256-100	27C256-90C+
27C256-120	27C256-120C+
27C256-150	27C256-150C+
27C256-200	27C256-200C+
27C512-120C	27C512-120C
27C512-150C	27C512-150C
27C512-200C	27C512-200C
27P010-70C	27C010-70C
27P010-90C	27C010-90C
27P010-100C	27C010-90C
77LS181	7C282A-45M
77S181	7C282A-45M
77S181A	7C282A-45M
77S281	7C281A-45M
77S281A	7C281A-45M
77S401	7C401-10M
77S401A	7C401-10M
77S402	7C402-10M
77S402A	7C402-10M
77SR181	7C235A-40M
77SR476	7C225A-40M-
77SR476B	7C225A-40M-
85S07A	7C128-45C+
87LS181	7C282A-45C
87S181	7C282A-45C
87S281	7C281A-45C
87S281A	7C281A-45C
87S401	7C401-10C
87S401A	7C401-15C

NATIONAL	CYPRESS
87S402	7C402-10C
87S402A	7C402-15C
87SR181	7C235-40C
87SR476	7C225A-40C
87SR476B	7C225A-30C
93L422A	7C122-C
C27C53-55	27C256-55C
C27C53-70	27C256-70C
DP892CV	7B8392-PC
DP8892CN	7B8392-JC
GAL22V10-15C	PALCE22V10-15C
GAL22V10-20I	PALCE22V10-15I
GAL22V10-20M	PALCE22V10-15M
GAL22V10-25C	PALCE22V10-25C
GAL22V10-30I	PALCE22V10-25I
GAL22V10-30M	PALCE22V10-25M
NMF512X9-15	7C421-15
NMF512X9-25	7C421-25
NMF2048X9-20	7C429-20
NMF4096X9A-25	7C433-25
PAL164A2M	PALC16R4-40M
PAL16L8A2C	PALC16L8-35C
PAL16L8A2M	PALC16L8-40M
PAL16L8AC	PALC16L8-25C
PAL16L8AM	PALC16L8-30M
PAL16L8B2C	PALC16L8-25C
PAL16L8B2M	PALC16L8-30M
PAL16L8B4C	PALC16L8L-35C
PAL16L8B4M	PALC16L8-40M
PAL16L8BM	PALC16L8-20M
PAL16L8C	PALC16L8-35C
PAL16L8M	PALC16L8-40M
PAL16R4A2C	PALC16R4-35C
PAL16R4AC	PALC16R4-25C
PAL16R4AM	PALC16R4-30M
PAL16R4B2C	PALC16R4-25C
PAL16R4B2M	PALC16R4-30M
PAL16R4B4C	PALC16R4L-35C
PAL16R4B4M	PALC16R4-40M
PAL16R4BM	PALC16R4-20M
PAL16R4C	PALC16R4-35C
PAL16R4M	PALC16R4-40M
PAL16R6A2C	PALC16R6-35C
PAL16R6A2M	PALC16R6-40M
PAL16R6AC	PALC16R6-25C
PAL16R6AM	PALC16R6-30M
PAL16R6B2C	PALC16R6-25C
PAL16R6B2M	PALC16R6-30M
PAL16R6B4C	PALC16R6L-35C
PAL16R6B4M	PALC16R6-40M
PAL16R6BM	PALC16R6-20M
PAL16R6C	PALC16R6-35C
PAL16R6M	PALC16R6-40M
PAL16R8A2C	PALC16R8-35C
PAL16R8A2M	PALC16R8-40M
PAL16R8AC	PALC16R8-25C
PAL16R8AM	PALC16R8-30M
PAL16R8B2C	PALC16R8-25C
PAL16R8B2M	PALC16R8-30M
PAL16R8B4C	PALC16R8L-35C
PAL16R8B4M	PALC16R8-40M
PAL16R8BM	PALC16R8-20M

NATIONAL	CYPRESS
PAL16R8C	PALC16R8-35C
PAL16R8M	PALC16R8-40M
PAL20L2C	PLDC20G10-35C
PAL20L8AC	PLDC20G10-25C
PAL20L8AM	PLDC20G10-30M
PAL20L8BC	PLDC20G10-25C
PAL20L8BM	PLDC20G10-30M
PAL20L8C	PLDC20G10-35C
PAL20L8M	PLDC20G10-40M
PAL20L10B2C	PLDC20G10-25C
PAL20L10B2M	PLDC20G10-30M
PAL20L10C	PLDC20G10-35C
PAL20L10M	PLDC20G10-40M
PAL20R4AC	PLDC20G10-25C
PAL20R4AM	PLDC20G10-30M
PAL20R4BC	PLDC20G10-25C
PAL20R4BM	PLDC20G10-30M
PAL20R4C	PLDC20G10-35C
PAL20R4M	PLDC20G10-40M
PAL20R6AC	PLDC20G10-25C
PAL20R6AM	PLDC20G10-30M
PAL20R6BC	PLDC20G10-25C
PAL20R6BM	PLDC20G10-30M
PAL20R6C	PLDC20G10-35C
PAL20R6M	PLDC20G10-40M
PAL20R8AC	PLDC20G10-25C
PAL20R8AM	PLDC20G10-30M
PAL20R8BC	PLDC20G10-25C
PAL20R8BM	PLDC20G10-30M
PAL20R8C	PLDC20G10-35C
PAL20R8M	PLDC20G10-40M
NEC	CYPRESS
PREFIX:uPD	PREFIX:CY
SUFFIX:C	SUFFIX:P
SUFFIX:D	SUFFIX:D
SUFFIX:K	SUFFIX:L
SUFFIX:L	SUFFIX:F
2147A	7C147-C
2149	2149-C
2149	7C149-C
2167-2	7C167A-C
27HC65-25	7C263/4-25C
27HC65-35	7C263/4-35C
27HC65-45	7C263/4-45C
4311-45	7C167A-45C
4311-55	7C167A-45C
43254C-35	7C194-35
43254C-45	7C194-45
4361	7C187-C
4362	7C164-C
4363	7C166-C
43259-20	7C188-20
43259-25	7C188-25
431001-20	7C107A-20C
431001-25	7C107A-25C
431004-20	7C106A-20C
431004-25	7C106A-25C
431008-15	7C109A-15
431008-20	7C109A-20
431008-20	7C109-20

**Note:** Unless otherwise noted, product meets all performance specs and is within 10 mA on I<sub>CC</sub> and 5 mA on I<sub>SB</sub>

+ = meets all performance specs but may not meet I<sub>CC</sub> or I<sub>SB</sub>

\* = meets all performance specs except 2V data retention—may not meet I<sub>CC</sub> or I<sub>SB</sub>

- = functionally equivalent

† = SOIC only

‡ = 32-pin LCC crosses to the 7C198M

\*\* = See Austin Semiconductor for military products



# Product Line Cross Reference

<b>OKI</b>	<b>CYPRESS</b>
PREFIX: MSM	PREFIX: CY
27128A-12C	27C128-120C+
27128A-15C	27C128-150C+
27128A-20C	27C128-200C+
27256-100	27C256-90C+
27256-120	27C256-120C+
27256-150	27C256-150C+
27256-200	27C256-200C+
27256H-55	27C256-55C
27256H-70	27C256-70C

<b>PARADIGM</b>	<b>CYPRESS</b>
PREFIX: PDM	PREFIX: CY
41251L	7C191-C
41251LB	7C191-MB*
41251S	7C191-C
41251SB	7C191-MB
41252L	7C192-C
41252LB	7C192-MB*
41252S	7C192-C
41252SB	7C192-MB
41256L	7C199/8-C*
41256LB	7C199/8-MB*
41256S	7C199/8-C
41256SB	7C199/8-MB
41258L	7C194-C*
41258LB	7C194-B*
41258S	7C194-C
41258SB	7C194-B

<b>PERFORMANCE</b>	<b>CYPRESS</b>
PREFIX: P	PREFIX: CY
SUFFIX: L	SUFFIX: L
SUFFIX: S	SUFFIX: S
41256-35	7C199-35
41256-45	7C199-45
4C1256-25	7C199-25
4C1256-35	7C199-35
4C1256-45	7C198-45
4C1257-25	7C197-25
4C1257-35	7C197-35
4C1257-45	7C197-45
4C1258-25	7C194-25
4C1258-35	7C194-35
4C1258-45	7C194-45
4C150-12C	7C150-12C
4C150-15C	7C150-15C
4C150-15M	7C150-15M
4C150-20C	7C150-15C
4C150-20M	7C150-15M
4C150-25C	7C150-25C
4C150-25M	7C150-25M
4C150-35M	7C150-35M
4C164DW-20C	7C186-20C
4C164DW-25C	7C186-25C
4C164DW-25M	7C186A-25M
4C164DW-35C	7C186-35C
4C164DW-35M	7C186A-35M
4C164DW-55C	7C186-55C
4C164P-20C	7C185-20C
4C164P-25C	7C185-25C
4C164P-25M	7C185A-25M
4C164P-35C	7C185-35C

<b>PERFORMANCE</b>	<b>CYPRESS</b>
4C164P-35M	7C185A-35M
4C164P-45M	7C185A-45M
4C1681-25C	7C171A-25C
4C1681-35C	7C171A-35C
4C1681-35M	7C171A-35M
4C1681-45C	7C171A-45C
4C1681-45M	7C171A-45M
4C1682-25C	7C172A-25C
4C1682-35C	7C172A-35C
4C1682-35M	7C172A-35M
4C1682-45C	7C172A-45C
4C1682-45M	7C172A-45M
4C169-25C	7C169A-25C
4C169-30C	7C169A-25C
4C169-35C	7C169A-35C
4C169-35M	7C169A-35M
4C169-45M	7C169A-45M
4C187-20C	7C187-20C
4C187-25C	7C187-25C
4C187-25M	7C187A-25M
4C187-35M	7C187A-35M
4C188-20C	7C164-20C
4C188-25C	7C164-25C
4C188-25M	7C164A-25M
4C188-35C	7C164-35C
4C188-35M	7C164A-35M
4C188-45M	7C164A-45M
4C198-20C	7C166-20C
4C198-25C	7C166-25C
4C198-25M	7C166A-25M
4C198-35C	7C166-35C
4C198-35M	7C166A-35M
4C198-45M	7C166A-45M
4C1981-20C	7C161-20C
4C1981-25C	7C161-25C
4C1981-25M	7C161A-25M
4C1981-35C	7C161-35C
4C1981-35M	7C161A-35M
4C1982-20C	7C162-20C
4C1982-25C	7C162-25C
4C1982-25M	7C162A-25M
4C1982-35C	7C162-35C
4C1982-35M	7C162A-35M
93U422-35C	7C122-15C
93U422-35C	7C122-25C
93U422-35C	7C122-35C
93U422-35M	7C122-25M
93U422-35M	7C122-35M

<b>PHILIPS-SIGNETICS</b>	<b>CYPRESS</b>
SUFFIX: G	SUFFIX: L
SUFFIX: N	SUFFIX: P
SUFFIX: R	SUFFIX: F
SUFFIX: F	SUFFIX: W
SUFFIX: A	SUFFIX: J
27C256-12	27C256-120C+
27C256-15	27C256-150C+
27C256-17	27C256-150C+
27C256-20	27C256-200C+
27C256-90	27C256-90C+
27HC641-45C	7C263/4-45C
27HC641-55C	7C263/4-55C

<b>PHILIPS-SIGNETICS</b>	<b>CYPRESS</b>
N74S189	74S189C
N82HS321	7C243/4-45C
N82HS321A	7C243/4-35C
N82HS321B	7C243/4-30C
N82HS321C	7C243/4-25C
N82HS641	7C263/4-55C
N82HS641A	7C263/4-45C
N82HS641B	7C263/4-35C
N82HS641C	7C263/4-25C
N82LHS191-3	7C291A-35C
N82LHS191-6	7C292A-35C
N82S181	7C281/2A-45C
N82S181A	7C281/2A-45C
N82S181C	7C281/2A-30C
N82S191-3	7C291A-50C
N82S191-6	7C292A-50C
N82S191A-3	7C291A-50C
N82S191A-6	7C292A-50C
N82S191C-3	7C291A-35C
N82S191C-6	7C292A-35C
NE83Q92A	7B8392-PC
NE83Q92N	7B8392-JC
S82HS641	7C263/4-55M
S82LS181	7C282A-45M
S82S181	7C282A-45M
S82S181A	7C282A-45M
S82S191-3	7C291A-50M
S82S191-6	7C292A-50M
S82S191A-3	7C291A-50M
S82S191A-6	7C292A-50M
S82S191B-3	7C291A-50M
S82S191B-6	7C292A-50M

<b>QUALITY SEMI</b>	<b>CYPRESS</b>
Q7201	7C421
Q7202	7C425
Q7203	7C429
Q7204	7C433
Q72211	7C4211
Q72221	7C4221
Q72231	7C4251
Q72241	7C4241
Q72215	7C4215
Q72225	7C4225
Q7025A	7C025

<b>QUICKLOGIC</b>	<b>CYPRESS</b>
PREFIX: QL	PREFIX: CY
8X12B-*CG68C	7C382P-*GC
8X12B-*CG68I	7C382P-*GI
8X12B-*CG68M	7C382P-*GMB
8X12B-*PF100C	7C382P-*AC
8X12B-*PF100I	7C382P-*AI
8X12B-*PL44C	7C381P-*JC
8X12B-*PL44I	7C381P-*JI
8X12B-*PL68C	7C382P-*JC
8X12B-*PL68I	7C382P-*JI
12X16B-*CG84C	7C384A-*GC
12X16B-*CG84I	7C384A-*GI
12X16B-*CG84M	7C384A-*GMB



# Product Line Cross Reference

<b>QUICKLOGIC</b>		<b>CYPRESS</b>	
12X16B- *PF100C		7C384A- *AC	
12X16B- *PF100I		7C384A- *AI	
12X16B- *PL68C		7C383A- *JC	
12X16B- *PL68I		7C383A- *JI	
12X16B- *PL84C		7C384A- *JC	
12X16B- *PL84I		7C384A- *JI	
16X24B- *GC144C		7C386P- *GC	
16X24B- *GC144I		7C386P- *GI	
16X24B- *GC144M		7C386P- *GMB	
16X24B- *PF100C		7C385P- *AC	
16X24B- *PF100I		7C385P- *AI	
16X24B- *PF144C		7C386P- *AC	
16X24B- *PF144I		7C386P- *AI	
16X24B- *PL84C		7C385P- *JC	
16X24B- *PL84I		7C385P- *JI	
24X32B- *GC44C		7C387P- *GC	
24X32B- *GC144I		7C387P- *GI	
24X32B- *GC144MB		7C387P- *GMB	
24X32B- *GC208C		7C388P- *GC	
24X32B- *GC208I		7C388P- *GI	
24X32B- *GC208M		7C388P- *GMB	
24X32B- *PF144C		7C387P- *AC	
24X32B- *PF144I		7C387P- *AI	
24X32B- *PF208C		7C388P- *AC	
24X32B- *PF208I		7C388P- *AI	
<b>SAMSUNG</b>		<b>CYPRESS</b>	
PREFIX: KM		PREFIX: CY	
18V87-8		7C1031-8.5	
61257A-25		7C197-25C	
61257A-35		7C197-35C	
61257A-45		7C197-45C	
64257A-25		7C194-25C	
64257A-35		7C194-35C	
64257A-45		7C194-45C	
64258B-15		7C194-15C	
64258B-20		7C194-20C	
64259B-15		7C196-15C	
64259B-20		7C196-20C	
641001-20		7C106A-20C	
681001-20		7C109A-20C	
681002-15		7C1009-15C	
681002-20		7C1009-20C	
68257-12		7C199-12C	
68257-15		7C199-15C	
718B514-8		7C178-8.5	
75C01A-15		7C421-15	
75C01A-20		7C421-20C	
75C01A-25		7C421-25C	
75C01A-35		7C421-30C	
75C01A-50		7C421-40C	
75C01A-80		7C421-65C	
75C01AP-20		7C420-20C	
75C01AP-25		7C420-25C	
75C01AP-35		7C420-35C	
75C01AP-50		7C420-50C	
75C01AP-80		7C420-80C	
75C02A-15		7C425-15	
75C02A-20		7C425-20C	
75C02A-25		7C425-25C	
75C02A-35		7C425-30C	
75C02A-50		7C425-40C	
75C02A-80		7C425-65C	
<b>SAMSUNG</b>		<b>CYPRESS</b>	
PREFIX: M		PREFIX: CY	
SUFFIX: F1		SUFFIX: W	
SUFFIX: B1		SUFFIX: P	
SUFFIX: C1		SUFFIX: J	
SUFFIX: N1		SUFFIX: Z	
27256-150		27C256-150C	
27256-170		27C256-150C	
27256-200		27C256-200C	
27C64A-12		27C64-120C	
27C64A-15		27C64-150C	
27C64A-20		27C64-200C	
27C64A-25		27C64-200C	
27C64A-30		27C64-200C	
27C128A-12		27C128-120C+	
27C128A-15		27C128-150C+	
27C128A-20		27C128-200C+	
27C256B-80		27C256-70C+	
27C256B-90		27C256-90C+	
27C256B-100		27C256-90C+	
27C256B-120		27C256-120C+	
27C512-10		27C512-90C	
27C512-12		27C512-120C	
27C512-15		27C512-150C	
27C512-20		27C512-200C	
27C512-25		27C512-200C	
27C512-80		27H512-70C	
27C512-90		27C512-90C	
27C1001-60X		27H010-55C	
27C1001-70		27C010-70C	
27C1001-90		27C010-90C	
27C1001-120		27C010-120C	
27C1001-150		27C010-150C	
27C1001-200		27C010-200C	
<b>SHARP</b>		<b>CYPRESS</b>	
PREFIX: LH		PREFIX: CY	
52251-35		7C197-35C	
52251-45		7C197-45C	
52252-35		7C194-35C	
52252-45		7C194-45C	
52254D-25		7C199-25C	
<b>SHARP</b>		<b>CYPRESS</b>	
52254D-35		7C199-35C	
52254D-45		7C199-45C	
52259		7C188	
5481-15		7C408A-15C	
5481-25		7C408A-25C	
5481-35		7C408A-35C	
5491-15		7C409A-15C	
5491-25		7C409A-25C	
5491-35		7C409A-35C	
5496-20		7C420-20C	
5496-35		7C420-30C	
5496-50		7C420-40C	
5496D-15		7C421-15	
5496D-20		7C421-20C	
5496D-35		7C421-30C	
5496D-50		7C421-40C	
5497-20		7C424-20C	
5497-35		7C424-30C	
5497-50		7C424-40C	
5497D-15		7C425-15	
5497D-20		7C425-20C	
5497D-35		7C425-30C	
5497D-50		7C425-40C	
<b>SONY</b>		<b>CYPRESS</b>	
PREFIX: CXK		PREFIX: CY	
51256P-35		7C197-35	
51256P-45		7C197-45	
55464-20		7C194-20C	
55464-25		7C194-25C	
58258A-15		7C199-15C	
58258A-20		7C199-20C	
58258A-25		7C199-25C	
59288-20C		7C188-20C	
59288-25C		7C188-25C	
<b>TDK/SSI</b>		<b>CYPRESS</b>	
SSI78Q8392-CP		CY7B8392-PC	
SSI78Q8392-28CH		CY7B8392-JC	
<b>TI</b>		<b>CYPRESS</b>	
PREFIX: JBP		PREFIX: CY	
PREFIX: PAL		SUFFIX: P	
PREFIX: SM		PREFIX: CY	
PREFIX: SMJ		PREFIX: CY	
PREFIX: SN		PREFIX: CY	
PREFIX: TBP		PREFIX: CY	
PREFIX: TIB		PREFIX: CY	
PREFIX: TMS		PREFIX: CY	
SUFFIX: F		SUFFIX: F	
SUFFIX: J		SUFFIX: L	
SUFFIX: N		SUFFIX: D	
SUFFIX: DD		SUFFIX: Z	
SUFFIX: N		SUFFIX: P	
22V10AC		PALC22V10-25C	
22V10AM		PALC22V10-30M	
27C010-120		27C010-120C	
27C010-150		27C010-150C	
27C010-200		27C010-200C	
27C128-12		27C128-120	
27C512-100		27C512-90C	
27C512-120		27C512-120C	
27C512-150		27C512-150C	

**Note:** Unless otherwise noted, product meets all performance specs and is within 10 mA on I<sub>CC</sub> and 5 mA on I<sub>SB</sub>

- + = meets all performance specs but may not meet I<sub>CC</sub> or I<sub>SB</sub>
- \* = meets all performance specs except 2V data retention—may not meet I<sub>CC</sub> or I<sub>SB</sub>
- = functionally equivalent
- † = SOIC only
- ‡ = 32-pin LCC crosses to the 7C198M
- \*\* = See Austin Semiconductor for military products



# Product Line Cross Reference

TI	CYPRESS
27C512-200	27C512-200C
27C/PC128-15	27C128-150
27C/PC128-20	27C128-200
27C256-10	27C256-90C+
27C256-12	27C256-120C+
27C256-15	27C256-150C+
27C256-17	27C256-150C+
27C256-20	27C256-200C+
27PC010-120	27C010-120C
27PC010-150	27C010-150C
27PC010-200	27C010-200C
27PC256-10	27C256-90C+
27PC256-12	27C256-120C+
27PC256-15	27C256-150C+
27PC256-17	27C256-150C+
27PC256-20	27C256-200C+
27PC512-100	27C512-90C
27PC512-120	27C512-120C
27PC512-150	27C512-150C
27PC512-200	27C512-200C
22V10AC	PALC22V10-25C
22V10AM	PALC22V10-30M
PAL16R4-25C	PALC16R4-25C
PAL16R4-30M	PALC16R4-30M
PAL16R4A-2C	PALC16R4A-25C
PAL16R4A-2M	PALC16R4-40M
PAL16R4AC	PALC16R4-25C
PAL16R4AM	PALC16R4-30M
PAL16R6-20M	PALC16R6-20M
PAL16R6-25C	PALC16R6-25C
PAL16R6-30M	PALC16R6-30M
PAL16R6A-2C	PALC16R6-25C
PAL16R6A-2M	PALC16R6-40M
PAL16R6AC	PALC16R6-25C
PAL16R6AM	PALC16R6-30M
PAL16R8-25C	PALC16R8-25C
PAL16R8-30M	PALC16R8-30M
PAL16R8A-2C	PALC16R8-25C
PAL16R8A-2M	PALC16R8-40M
PAL16R8AC	PALC16R8-25C
PAL16R8AM	PALC16R8-30M
PAL20L8A-2C	PLDC20G10-25C
PAL20L8A-2M	PLDC20G10-30M
PAL20L8AC	PLDC20G10-25C
PAL20L8AM	PLDC20G10-30M
PAL20L10A-2C	PLDC20G10-25C
PAL20L10A-2M	PLDC20G10-30M
PAL20L10AC	PLDC20G10-35C
PAL20L10AM	PLDC20G10-30M
PAL20R4A-2C	PLDC20G10-25C
PAL20R4A-2M	PLDC20G10-30M
PAL20R4AC	PLDC20G10-25C
PAL20R4AM	PLDC20G10-30M
PAL20R6A-2C	PLDC20G10-25C
PAL20R6A-2M	PLDC20G10-30M
PAL20R6AC	PLDC20G10-25C
PAL20R6AM	PLDC20G10-30M
PAL20R8A-2C	PLDC20G10-25C
PAL20R8A-2M	PLDC20G10-30M
PAL20R8AC	PLDC20G10-25C
PAL20R8AM	PLDC20G10-30M
PAL22V10-7C	PALCE22V10-7C

TI	CYPRESS
PAL22V10-15C	PALC22V10B-15C
PAL22V10-20M	PALC22V10B-20M
PAL22V10AC	PALC22V10-25C
PAL22V10AC	PALC22V10L-25C
PAL22V10AM	PALC22V10-25MB
PAL22V10AM	PALC22V10-30MB
PAL22V10C	PALC22V10-35C
PAL22V10C	PALC22V10L-35C
PAL20R6AM	PLDC20G10-30M
PAL20R8A-2C	PLDC20G10-25C
PAL20R8A-2M	PLDC20G10-30M
PAL20R8AC	PLDC20G10-25C
PAL20R8AM	PLDC20G10-30M
PAL22V10-7C	PALCE22V10-7C
PAL22V10-15C	PALC22V10B-15C
PAL22V10-20M	PALC22V10B-20M
PAL22V10AC	PALC22V10-25C
PAL22V10AC	PALC22V10L-25C
PAL22V10AM	PALC22V10-25MB
PAL22V10AM	PALC22V10-30MB
PAL22V10C	PALC22V10-35C
PAL22V10C	PALC22V10L-35C
SN74ACT7201LA15	7C421-15
SN74ACT7201LA25	7C421-25
SN74ACT7202LA15	7C425-15
SN74ACT7202LA25	7C425-25
SN74ACT7203L15	7C429-15
SN74ACT7203L25	7C429-25
SN74ACT7204L15	7C433-15
SN74ACT7204L25	7C433-25
SN74ACT7221L-RJ	7C4211-JC
SN74ACT7221L-RJ	7C4221-JC
SN74ACT7223L-RJ	7C4231-JC
SN74ACT7224L-RJ	7C4241-JC
SN74ACT7884-FN	7C4245-JC
SN74ACT7882-FN	7C4235-JC
SN74ACT7881-FN	7C4225-JC
SN74ACT7811-FN	7C4225-JC

  

TOSHIBA	CYPRESS
PREFIX: P	SUFFIX: P
PREFIX: TC	PREFIX: CY
PREFIX: TMM	PREFIX: CY
SUFFIX: D	SUFFIX: D
2015A	7C128A-55C+
2018-25	7C128A-25C
2018-35	7C128A-35C
2018-45	7C128A-45C
2018-55	7C128A-55C+
2018AP-35	7C128A-35C
2018AP-45	7C128A-45C
2068-25	7C168A-25C
2068-35	7C168A-35C
2068-45	7C168A-45C
2068-55	7C168A-45C
2069-35	7C169A-35C
2078-35	7C170A-35C
2078-45	7C170A-45C
2078-55	7C170A-45C
2088-35	7C186-35C
315	2147-55C
55257-10	7C199-55C

TOSHIBA	CYPRESS
55257-70	7C199-55C
55257-85	7C199-55C
55328-15	7C199-15C
55328-20	7C199-20C
55328-25	7C199-25C
55328-35	7C199-35C
55328-25	7C199-25C
55328-35	7C199-35C
55329P/J	7C188
55399-20	7C188-20C
55399-25	7C188-25C
55416-35	7C164-35C
55417-25	7C166-25C
55417-35	7C166-35C
55417P/J-15	7C166-15C
55417P/J-20	7C166-20C
55417P/J-25	7C166-25C
55417P/J-35	7C166-35C
55464-12	7C194-12C
55464-15	7C194-15C
55464-20	7C194-20C
55464-25	7C194-25C
55464-35	7C194-35C
55464-25	7C194-25C
55464-35	7C194-35C
55465-12	7C196-12C
55465-15	7C196-15C
55465-20	7C196-20C
55465-25	7C196-25C
55465-25	7C195-25C
55465-35	7C196-35C
55465-35	7C195-35C
5561P/J	7C187-C
5562	7C187-C
5563	7C185-C
5588P/J	7C185-C
5589P/J-25	7C182-25C
55B328-12	7C199-12C
55B328-15	7C199-15C
55B464-12	7C194-12C
55B465-12	7C196-12C
57C256A-120	27C256-120C+
57C256A-150	27C256-150C+
57C256A-200	27C256-200C+

  

WSI	CYPRESS
PREFIX: WS	PREFIX: CY
SUFFIX: C	SUFFIX: Q
SUFFIX: D/T	SUFFIX: W
SUFFIX: P/S	SUFFIX: P
57C43C-55C	7C243/4-55C
57C43C-45C	7C243/4-45C
57C43C-35C	7C243/4-35C
57C43C-25C	7C243/4-25C
57C45-25	7C245A-25C
57C45-25M	7C245A-25M
57C45-35	7C245A-35C
57C45-35M	7C245A-35M
57C45-45	7C245A-45C
57C45-45M	7C245A-45M
57C49B-35	7C263/4-35C
57C49B-45	7C263/4-45C
57C49B-45M	7C263/4-45C



## Product Line Cross Reference

WSI	CYPRESS
57C49B-55	7C263/4-55C
57C49B-55M	7C263/4-55C
57C49B-70	7C263/4-55C
57C49B-70M	7C263/4-55C
57C49C-25	7C263/4-25C
57C49C-35	7C263/4-35C
57C49C-45	7C263/4-45C
57C49C-45M	7C263/4-45C
57C49C-55	7C263/4-55C
57C49C-55M	7C263/4-55C
57C49C-70	7C263/4-55C
57C49C-70M	7C263/4-55C
57C64F-55	7C266-55C
57C51C-45	7C251/4-45C
57C51C-45M	7C251/4-45M
57C51C-55	7C251/4-55C
57C51C-55M	7C251/4-55M
57C51C-70	7C251/4-55M
57C51C-70M	7C251/4-55M
57C71C-35	7C271A-35C
57C71C-45	7C271A-45C
57C71C-55	7C271A-55C
57C71C-55M	7C271A-55M
57C71C-70	7C271A-55M
57C71C-70M	7C271A-55M
57C128F-55C	27C128-55C+
57C128F-70C	27C128-70C+
57C128FB-45	27C128-45C
57C128FB-55	27C128-55C
57C128FB-70	27C128-70C
57C191B-35	7C292A-35C
57C191B-35M	7C292A-35M
57C191B-45	7C292A-35C
57C191B-45M	7C292A-35M
57C191B-50M	7C292A-50M
57C191B-55	7C292A-50C
57C191B-55M	7C292A-50M
57C191C-25	7C292A-25C
57C191C-35	7C292A-35C
57C191C-45	7C292A-35C
57C191C-45M	7C292A-35M
57C191C-55	7C292A-50C
57C191C-55M	7C292A-50M
57C256F-35	27H256-35C
57C256F-45	27C256-45C+
57C256F-55	27C256-55C+
57C256F-55M	27C256-55M
57C256F-70	27C256-70C+
57C256F-70M	27C256-70M
57C256F-90	27C256-90C+
57C291B-35	7C291A-35C
57C291B-35M	7C291A-35M
57C291B-45	7C291A-35C
57C291B-45M	7C291A-35M

WSI	CYPRESS
57C291B-50M	7C291A-50M
57C291B-55	7C291A-50C
57C291B-55M	7C291A-50M
57C291C-25	7C291A-25C
57C291C-35	7C291A-35C
57C291C-45	7C291A-35C
57C291C-45M	7C291A-35M
57C291C-55	7C291A-50C
57C291C-55M	7C291A-50M

**Note:** Unless otherwise noted, product meets all performance specs and is within 10 mA on  $I_{CC}$  and 5 mA on  $I_{SB}$

+ = meets all performance specs but may not meet  $I_{CC}$  or  $I_{SB}$

\* = meets all performance specs except 2V data retention—may not meet  $I_{CC}$  or  $I_{SB}$

- = functionally equivalent

† = SOIC only

‡ = 32-pin LCC crosses to the 7C198M

\*\* = See Austin Semiconductor for military products





# Product Line Cross Reference

## FCT Commercial Cross Reference

CYPRESS		IDT		PERICOM		QUALITY	
CY29FCT52	A, B, C	IDT29FCT52	A, B, C, D	PI74FCT2952	A, B, C	QS29FCT52	A, B, C
CY29FCT520	A, B, C	IDT29FCT520	A, B, C, D			QS29FCT520	A, B, C
CY29FCT818	Std, A, B, C						
CY74FCT138	Std, A, C	IDT74FCT138	Std, A, C	PI74FCT138	Std, A, C	QS74FCT138	Std, A, C, D
CY74FCT157	Std, A, C	IDT74FCT157	Std, A, C, D	PI74FCT157	Std, A, C	QS74FCT157	Std, A, C
CY74FCT158	Std, A, C					QS74FCT158	Std, A, C
CY74FCT163	Std, A, C	IDT74FCT163	Std, A, C			QS74FCT163	Std, A, C, D
CY74FCT191	Std, A, C	IDT74FCT191	Std, A			QS74FCT191	Std, A, C
CY74FCT2240	Std, A, C	IDT74FCT2240	Std, A, C, D	PI74FCT2240	Std, A, C	QS74FCT2240	Std, A, C
CY74FCT2244	Std, A, C, D	IDT74FCT2244	Std, A, C, D	PI74FCT2244	Std, A, C	QS74FCT2244	Std, A, C
CY74FCT2245	Std, A, C, D	IDT74FCT2245	Std, A, C, D	PI74FCT2245	Std, A, C	QS74FCT2245	Std, A, C, D
CY74FCT2257	Std, A, C			PI74FCT2257	Std, A, C	QS74FCT2257	Std, A, C
CY74FCT2373	Std, A, C, D	IDT74FCT2373	Std, A, C, D	PI74FCT2373	Std, A, C	QS74FCT2373	Std, A, C, D
CY74FCT2374	Std, A, C, D	IDT74FCT2374	Std, A, C, D	PI74FCT2374	Std, A, C	QS74FCT2374	Std, A, C, D
CY74FCT240	Std, A, C, D	IDT74FCT240	Std, A, C, D	PI74FCT240	Std, A, C, D	QS74FCT240	Std, A, C, D
CY74FCT244	Std, A, C, D	IDT74FCT244	Std, A, C, D	PI74FCT244	Std, A, C, D	QS74FCT244	Std, A, C, D
CY74FCT245	Std, A, C, D	IDT74FCT245	Std, A, C, D	PI74FCT245	Std, A, C, D	QS74FCT245	Std, A, C, D
CY74FCT2541	Std, A, C			PI74FCT2541	Std, A, C	QS74FCT2541	Std, A, C
CY74FCT2543	Std, A, C, D	IDT74FCT2543	Std, A, C, D	PI74FCT2543	Std, A, C	QS74FCT2543	Std, A, C, D
CY74FCT257	Std, A, C	IDT74FCT257	Std, A, C	PI74FCT257	Std, A, C	QS74FCT257	Std, A, C
CY74FCT2573	Std, A, C, D	IDT74FCT2573	Std, A, C, D	PI74FCT2573	Std, A, C, D	QS74FCT2573	Std, A, C
CY74FCT2574	Std, A, C, D	IDT74FCT2574	Std, A, C, D	PI74FCT2574	Std, A, C	QS74FCT2574	Std, A, C, D
CY74FCT2646	Std, A, C	IDT74FCT2646	Std, A, C, D	PI74FCT2646	Std, A, C	QS74FCT2646	Std, A, C, D
CY74FCT2648	Std, A, C	IDT74FCT2648	Std, A, C			QS74FCT2648	Std, A, C
CY74FCT2652	Std, A, C, D	IDT74FCT2652	Std, A, C, D	PI74FCT2652	Std, A, C, D	QS74FCT2652	Std, A, C, D
CY74FCT273	Std, A, C	IDT74FCT273	Std, A, C	PI74FCT273	Std, A, C	QS74FCT273	Std, A, C
CY74FCT2827	A, B, C	IDT74FCT2827	A, B, C	PI74FCT2827	A, B, C	QS74FCT2827	A, B, C
CY74FCT373	Std, A, C, D	IDT74FCT373	Std, A, C, D	PI74FCT373	Std, A, C, D	QS74FCT373	Std, A, C, D
CY74FCT374	Std, A, C, D	IDT74FCT374	Std, A, C, D	PI74FCT374	Std, A, C, D	QS74FCT374	Std, A, C, D
CY74FCT377	Std, A, C	IDT74FCT377	Std, A, C, D	PI74FCT377	Std, A, C, D	QS74FCT377	Std, A, C
CY74FCT399	Std, A, C	IDT74FCT399	Std, A, C	PI74FCT399	Std, A, C		
CY74FCT480	Std, A, B						
CY74FCT540	Std, A, C, D	IDT74FCT540	Std, A, C	PI74FCT540	Std, A, C, D	QS74FCT540	Std, A, C, D
CY74FCT541	Std, A, C, D	IDT74FCT541	Std, A, C	PI74FCT541	Std, A, C, D	QS74FCT541	Std, A, C, D
CY74FCT543	Std, A, C, D	IDT74FCT543	Std, A, C, D	PI74FCT543	Std, A, C, D	QS74FCT543	Std, A, C, D
CY74FCT573	Std, A, C, D	IDT74FCT573	Std, A, C, D	PI74FCT573	Std, A, C, D	QS74FCT573	Std, A, C
CY74FCT574	Std, A, C, D	IDT74FCT574	Std, A, C, D	PI74FCT574	Std, A, C, D	QS74FCT574	Std, A, C, D
CY74FCT646	Std, A, C, D	IDT74FCT646	Std, A, C, D	PI74FCT646	Std, A, C, D	QS74FCT646	Std, A, C
CY74FCT648	Std, A, C	IDT74FCT648	Std, A, C	PI74FCT648	Std, A, C, D	QS74FCT648	Std, A, C, D
CY74FCT652	Std, A, C, D	IDT74FCT652	Std, A, B, D	PI74FCT652	Std, A, C, D	QS74FCT652	Std, A, B, D
CY74FCT821	A, B, C	IDT74FCT821	A, B, C, D	PI74FCT821	A, B, C, D	QS74FCT821	A, B, C, D
CY74FCT823	A, B, C	IDT74FCT823	A, B, C, D	PI74FCT823	A, B, C, D	QS74FCT823	A, B, C, D
CY74FCT825	A, B, C	IDT74FCT825	A, B, C	PI74FCT825	A, B, C, D	QS74FCT825	A, B, C
CY74FCT827	A, B, C	IDT74FCT827	A, B, C	PI74FCT827	A, B, C, D	QS74FCT827	A, B, C
CY74FCT841	A, B, C	IDT74FCT841	A, B, C, D	PI74FCT841	A, B, C, D	QS74FCT841	A, B, C
CYBUS3384				PI5C3384		QS3384	
Package	Code	Package	Code	Package	Code	Package	Code
Plastic DIP	P	Plastic DIP	P	Plastic DIP	P	Plastic DIP	P
QSOP	Q	QSOP	Q	QSOP	Q	QSOP	Q
SOIC	SO	SOIC	SO	SOIC	SO	SOIC	SO



# Product Line Cross Reference

## FCT Commercial Cross Reference (continued)

CYPRESS	TI
CY74FCT52C	74ABT2952A
CY74FCT2240A	SN74ABT2240
CY74FCT2244A	SN74ABT2244
CY74FCT2245A	SN74ABT2245
CY74FCT240A	SN74ABT240
CY74FCT244A	SN74ABT244
CY74FCT245A	SN74ABT245
CY74FCT273A	SN74ABT273
CY74FCT373A	SN74ABT373
CY74FCT374A	SN74ABT374
CY74FCT377A	SN74ABT377
CY74FCT540A	SN74ABT540
CY74FCT541A	SN74ABT541
CY74FCT543A	SN74ABT543
CY74FCT573A	SN74ABT573
CY74FCT574A	SN74ABT574
CY74FCT646A	SN74ABT646
CY74FCT646C	SN74ABT646A
CY74FCT652A	SN74ABT652
CY74FCT652C	SN74ABT652A
CY74FCT821C	SN74ABT821
CY74FCT827C	SN74ABT827
CY74FCT841C	SN74ABT841
CYBUS3384	SN74CBT3384
Package	Code
Plastic DIP	P N
SOIC	SO DW

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- \* = meets all performance specs except 2V data retention—may not meet  $I_{CC}$  or  $I_{SB}$
- = functionally equivalent
- † = SOIC only
- ‡ = 32-pin LCC crosses to the 7C198M
- \*\* = See Austin Semiconductor for military products



# Product Line Cross Reference

## FCT Military Cross Reference

CYPRESS		IDT		QUALITY	
CY29FCT52	A, B, C	IDT29FCT52	A, B, C	QS29FCT52	A, B, C
CY29FCT520	A, B, C	IDT29FCT520	A, B, C	QS29FCT520	A, B, C
CY29FCT818	Std, A, B, C				
CY54FCT138	Std, A, C	IDT54FCT138	Std, A, C	QS54FCT138	Std, A, C
CY54FCT157	Std, A, C	IDT54FCT157	Std, A, C	QS54FCT157	Std, A, C
CY54FCT158	Std, A, C			QS54FCT158	Std, A, C
CY54FCT163	Std, A, C	IDT54FCT163	Std, A, C	QS54FCT163	Std, A, C
CY54FCT191	Std, A, C	IDT54FCT191	Std, A	QS54FCT191	Std, A, C
CY54FCT2240	Std, A, C	IDT54FCT2240	Std, A, C	QS54FCT2240	Std, A
CY54FCT2244	Std, A, C	IDT54FCT2244	Std, A, C	QS54FCT2244	Std, A
CY54FCT2245	Std, A, C	IDT54FCT2245	Std, A, C	QS54FCT2245	Std, A
CY54FCT2257	Std, A, C			QS54FCT2257	Std, A, C
CY54FCT2373	Std, A, C	IDT54FCT2373	Std, A, C	QS54FCT2373	Std, A
CY54FCT2374	Std, A, C	IDT54FCT2374	Std, A, C	QS54FCT2374	Std, A
CY54FCT240	Std, A, C	IDT54FCT240	Std, A, C	QS54FCT240	Std, A, C
CY54FCT244	Std, A, C	IDT54FCT244	Std, A, C	QS54FCT244	Std, A
CY54FCT245	Std, A, C	IDT54FCT245	Std, A, C	QS54FCT245	Std, A
CY54FCT2541	Std, A, C			QS54FCT2541	Std, A
CY54FCT2543	Std, A, C	IDT54FCT2543	Std, A, C	QS54FCT2543	Std, A, C, D
CY54FCT257	Std, A, C	IDT54FCT257	Std, A, C	QS54FCT257	Std, A, C, D
CY54FCT2573	Std, A, C	IDT54FCT2573	Std, A, C	QS54FCT2573	Std, A
CY54FCT2574	Std, A, C	IDT54FCT2574	Std, A, C	QS54FCT2574	Std, A, C
CY54FCT2646	Std, A, C	IDT54FCT2646	Std, A, C	QS54FCT2646	Std, A, C
CY54FCT2648	Std, A, C	IDT54FCT2648	Std, A, C	QS54FCT2648	Std, A, C
CY54FCT2652	Std, A, C	IDT54FCT2652	Std, A, C	QS54FCT2652	Std, A, C, D
CY54FCT273	Std, A, C	IDT54FCT273	Std, A, C	QS54FCT273	Std, A
CY54FCT2827	A, B, C	IDT54FCT2827	A, B, C	QS54FCT2827	A, B
CY54FCT373	Std, A, C	IDT54FCT373	Std, A, C	QS54FCT373	Std, A
CY54FCT374	Std, A, C	IDT54FCT374	Std, A, C	QS54FCT374	Std, A, C
CY54FCT377	Std, A, C	IDT54FCT377	Std, A, C	QS54FCT377	Std, A
CY54FCT399	Std, A, C	IDT54FCT399	Std, A, C		
CY54FCT480	Std, A, B				
CY54FCT540	Std, A, C	IDT54FCT540	Std, A, C	QS54FCT540	Std, A, C, D
CY54FCT541	Std, A, C	IDT54FCT541	Std, A, C	QS54FCT541	Std, A, C, D
CY54FCT543	Std, A, C	IDT54FCT543	Std, A, C	QS54FCT543	Std, A
CY54FCT573	Std, A, C	IDT54FCT573	Std, A, C	QS54FCT573	Std, A
CY54FCT574	Std, A, C	IDT54FCT574	Std, A, C	QS54FCT574	Std, A, C
CY54FCT646	Std, A, C	IDT54FCT646	Std, A, C	QS54FCT646	Std, A, C
CY54FCT648	Std, A, C	IDT54FCT648	Std, A, C	QS54FCT648	Std, A, C
CY54FCT652	Std, A, C	IDT54FCT652	Std, A, C	QS54FCT652	Std, A, C, D
CY54FCT652	Std, A, C				
CY54FCT821	A, B, C	IDT54FCT821	A, B, C	QS54FCT821	A, B, C
CY54FCT823	A, B, C	IDT54FCT823	A, B, C	QS54FCT823	A, B, C
CY54FCT825	A, B, C	IDT54FCT825	A, B, C	QS54FCT825	A, B, C
CY54FCT827	A, B, C	IDT54FCT827	A, B, C	QS54FCT827	A
CY54FCT841	A, B, C	IDT54FCT841	A, B, C	QS54FCT841	A, B, C
Package	Code	Package	Code	Package	Code
CERDIP	D	CERDIP	D	CERDIP	
LCC	L	LCC	L	LCC	L
HQSOP		HQSOP		HQSOP	H



# Product Line Cross Reference

## Commercial Cross Reference

CYPRESS		IDT		PERICOM	
CY74FCT16240	Std, A, C	IDT74FCT16240	Std, A, C, E	PI74FCT16240	Std, A, C, D
CY74FCT16244	Std, A, C	IDT74FCT16244	Std, A, C, E	PI74FCT16244	Std, A, C, D
CY74FCT16245	Std, A, C	IDT74FCT16245	Std, A, C, E	PI74FCT16245	Std, A, C, D
CY74FCT16373	Std, A, C	IDT74FCT16373	Std, A, C, E	PI74FCT16373	Std, A, C, D
CY74FCT16374	Std, A, C	IDT74FCT16374	Std, A, C, E	PI74FCT16374	Std, A, C, D
CY74FCT16444	Std, A, C				
CY74FCT16445	Std, A, C				
CY74FCT16500	A, C	IDT74FCT16500	A, C, E	PI74FCT16500	A, C, D
CY74FCT16501	A, C	IDT74FCT16501	A, C, E	PI74FCT16501	A, C, D
CY74FCT16543	Std, A, C	IDT74FCT16543	Std, A, C, E	PI74FCT16543	Std, A, C, D
CY74FCT16646	Std, A, C	IDT74FCT16646	Std, A, C, E	PI74FCT16646	Std, A, C, D
CY74FCT16652	Std, A, C	IDT74FCT16652	Std, A, C, E	PI74FCT16652	Std, A, C, D
CY74FCT16823	A, B, C	IDT74FCT16823	A, B, C, E	PI74FCT16823	A, B, C
CY74FCT16827	A, B, C	IDT74FCT16827	A, B, C, E	PI74FCT16827	A, B, C
CY74FCT16841	A, B, C	IDT74FCT16841	A, B, C, E	PI74FCT16841	A, B, C
CY74FCT16952	A, B, C	IDT74FCT16952	A, B, C, E	PI74FCT16952	A, B, C, D
CY74FCT162240	Std, A, C	IDT74FCT162240	Std, A, C, E	PI74FCT162240	Std, A, C, D
CY74FCT162244	Std, A, C	IDT74FCT162244	Std, A, C, E	PI74FCT162244	Std, A, C, D
CY74FCT162245	Std, A, C	IDT74FCT162245	Std, A, C, E	PI74FCT162245	Std, A, C, D
CY74FCT162373	Std, A, C	IDT74FCT162373	Std, A, C, E	PI74FCT162373	Std, A, C, D
CY74FCT162374	Std, A, C	IDT74FCT162374	Std, A, C, E	PI74FCT162374	Std, A, C, D
CY74FCT162444	Std, A, C				
CY74FCT162445	Std, A, C				
CY74FCT162500	A, C	IDT74FCT162500	A, C, E	PI74FCT162500	A, C, D
CY74FCT162501	A, C	IDT74FCT162501	A, C, E	PI74FCT162501	A, C, D
CY74FCT162543	Std, A, C	IDT74FCT162543	Std, A, C, E	PI74FCT162543	Std, A, C, D
CY74FCT162646	Std, A, C	IDT74FCT162646	Std, A, C, E	PI74FCT162646	Std, A, C, D
CY74FCT162652	Std, A, C	IDT74FCT162652	Std, A, C, E	PI74FCT162652	Std, A, C, D
CY74FCT162823	A, B, C	IDT74FCT162823	A, B, C, E	PI74FCT16H823	A, B, C
CY74FCT162827	A, B, C	IDT74FCT162827	A, B, C, E	PI74FCT162827	A, B, C
CY74FCT162841	A, B, C	IDT74FCT162841	A, B, C, E	PI74FCT162841	A, B, C
CY74FCT162952	A, B, C	IDT74FCT162952	A, B, C, E	PI74FCT162952	A, B, C, D
CY74FCT162H952	A, B, C	IDT74FCT162H952	A, B, C, E		
CY74FCT162H501	A, C	IDT74FCT162H501	A, C, E		
CY74FCT162H244	Std, A, C	IDT74FCT162H244	Std, A, C, E		
CY74FCT162H245	Std, A, C	IDT74FCT162H245	Std, A, C, E		
CY74FCT162H373	Std, A, C	IDT74FCT162H373	Std, A, C, E		
Package	Code	Package	Code	Package	Code
SSOP	PV	SSOP	PV	SSOP	PV
TSSOP	PA	TSSOP	PA	TSSOP	PA

CYPRESS		TEXAS INSTRUMENTS		PHILLIPS	
CY74FCT16240CT		SN74ABT16240		74ABT16244	
CY74FCT16244CT		SN74ABT16244A		74ABT16245	
CY74FCT16245CT		SN74ABT16245		74ABT16373	
CY74FCT16373CT		SN74ABT16373A		74ABT16374	
CY74FCT16374CT		SN74ABT16374A			
CY74FCT16500CT		SN74ABT16500B			
CY74FCT16543CT		SN74ABT16543B		74ABT16543	
CY74FCT162240CT		SN74ABT162240			
CY74FCT162244CT		SN74ABT162244			
CY74FCT162245CT		SN74ABT162245			
CY74FCT162373					
CY74FCT162374					
CY74FCT162500CT		SN74ABT162500			
Package	Code	Package	Code	Package	Code
SSOP	PV	SSOP	DL	SSOP	PV
TSSOP	PA	TSSOP	DDG	TSSOP	PA

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+ = meets all performance specs but may not meet  $I_{CC}$  or  $I_{SB}$

\* = meets all performance specs except 2V data retention—may not meet  $I_{CC}$  or  $I_{SB}$

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