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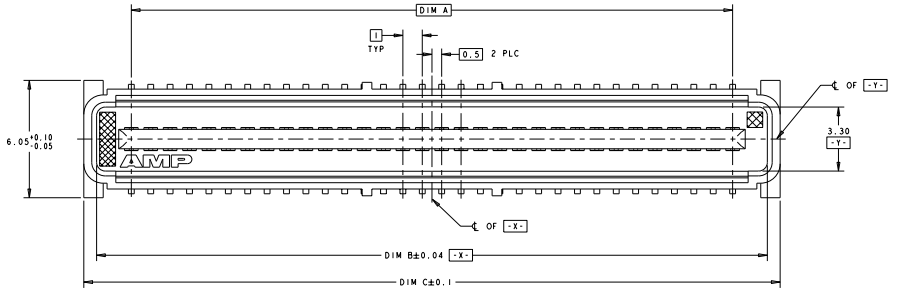
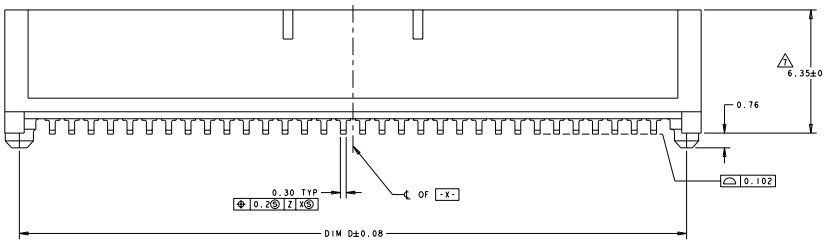
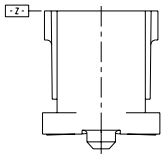
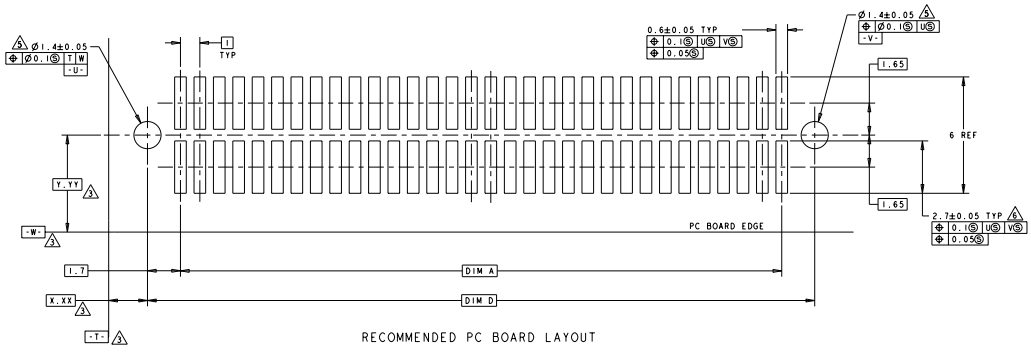
REVISIONS					
LOC	DIST				
AD	00				
P	LTR	DESCRIPTION	DATE	DWN	APVD
	0	REV PER EC 0512-0235-04	30SEP2004	BC	RW
	A	REV PER EC 0512-0213-05	14SEP2005	BC	RW
	B	REVISED PER ECO-08-008615	10JUL2008	DH	DB
	B1	REV PER ECO-09-018460	12SEP2009	AEG	HM









RECOMMENDED PC BOARD LAYOUT

1 HOUSING MATERIAL: LIQUID CRYSTAL POLYMER. COLOR: BLACK.
CONTACT MATERIAL: PHOSPHOR BRONZE.

2 CONTACT FINISH: NICKEL UNDERPLATE ALL OVER, MATING SURFACES PLATED TO MEET PLI PERFORMANCE REQUIREMENTS OF INDUSTRY SPECIFICATION EIA-700AAAB, SOLDER TAILS PLATED TIN.

3 DATUM LOCATIONS AND BASIC DIMENSIONS TO BE ESTABLISHED BY THE CUSTOMER. CONSULT AMP ENGINEERING WHEN PLACING MULTIPLE CONNECTORS ON A PC BOARD.

4. PACKAGED IN TAPE ON REELS PER EIA-481.

5 1.5 MIN DIAMETER HOLE SHOULD BE USED IF USING POST STYLE "A" AND PLACING ON PCB WITH VACUUM PLACEMENT EQUIPMENT.

6 SHORTER SOLDER LANDS MAY BE USED PER EIA 700AAAB, HOWEVER 2.7 LENGTH ASSURES OPTIMUM SOLDER FILLET REGARDLESS OF MANUFACTURER OF CONNECTOR.

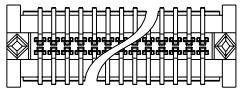
7 REFERRED TO AS DIM N IN EIA 700AAAB SPECIFICATION.

8 CONTACT FINISH: 0.00381 MINIMUM MATTE TIN PER ASTM B 545 ON SOLDER AREA; 0.00127 MINIMUM GOLD PER ASTM B 488 ON MATING AREA, BOTH OVER 0.00127 MINIMUM NICKEL PER SAE-AMS-QQ-N-290 ON ENTIRE CONTACT.

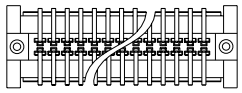
9 SQUARE AND DIAMOND SHAPED POSTS

10 ROUND SHAPED POSTS

9 STYLE A POSTS



10 STYLE B POSTS



POST STYLE	FINISH	DIM D	DIM C	DIM B	DIM A	STACK HGTS	POS	PART NO
1 6	B	44.4	45.9	44.58	41	8	84	3-5120525-2
1 6	B	34.4	35.9	34.58	31	8	64	3-5120525-1
1 6	2	44.4	45.9	44.58	41	8	84	2-5120525-2
1 6	2	34.4	35.9	34.58	31	8	64	2-5120525-1
9	B	44.4	45.9	44.58	41	8	84	1-5120525-2
9	B	34.4	35.9	34.58	31	8	64	1-5120525-1
OBSOLETE 9	2	44.4	45.9	44.58	41	8	84	5120525-2
1	2	34.4	35.9	34.58	31	8	64	5120525-1

DRN	D.CASBO	30SEP04	Tyco Electronics Corporation Harrisburg, PA 17105-3608
CHK	D. MERTZ	30SEP04	
APVD	D. MERTZ	30SEP04	
PRODUCT SPEC	502-1079		PLUG ASSY,1.0mm FH(IEEE1386) CONNECTOR
APPLICATION SPEC	114-25045		
WEIGHT	-		SIZE A1 · CAGE CODE 00779 · DRAWING NO C-5120525 · RESTRICTED TO -
FINISH	SEE TABLE		SCALE 10:1 · SHEET 1 OF 1 · REV B1
CUSTOMER DRAWING			

DIMENSIONS: MM. TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±-, 1 PLC ±0.3, 2 PLC ±0.03, 3 PLC ±0.003, ANGLES ±2°30'. MATERIAL: SEE TABLE.

AMP 4005 REV 31MAR2000

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