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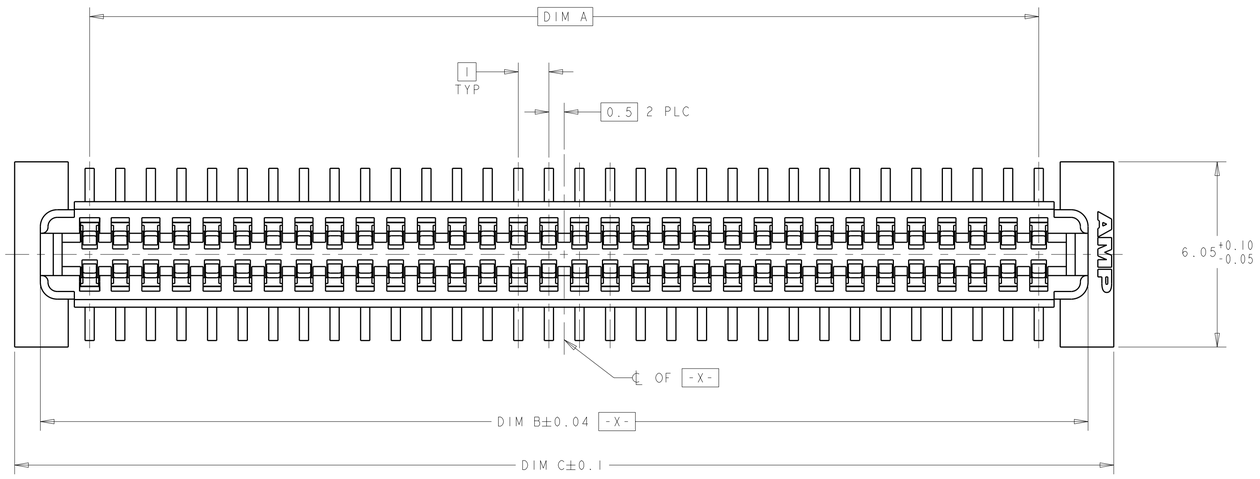
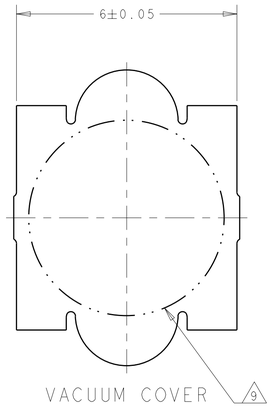
LOC	DIST
AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	O	REV PER EC 0SI2-0235-04	01OCT2004	BC	RW
	A	REV PER ECO-06-025515	19JAN2007	BC	DB
	B	REVISED PER ECO-08-008615	10JUL2008	DH	DB
	B1	REV PER ECO-09-018291	25AUG2009	AEG	DD





1 HOUSING MATERIAL: HIGH TEMPERATURE THERMOPLASTIC, 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 REEL PER EIA-481.

5 1.4±0.05 DIAMETER HOLE WHEN PLACING BY HAND.

6 SHORTER SOLDER LANDS MAY BE USED PER EIA 700AAAB, HOWEVER 2.4 LENGTH ASSURES OPTIMUM SOLDER FILLET REGARDLESS OF MANUFACTURER OF CONNECTOR.

7 REFERRED TO AS DIM H = 7.3±0.1 IN EIA 700AAAB SPECIFICATION.

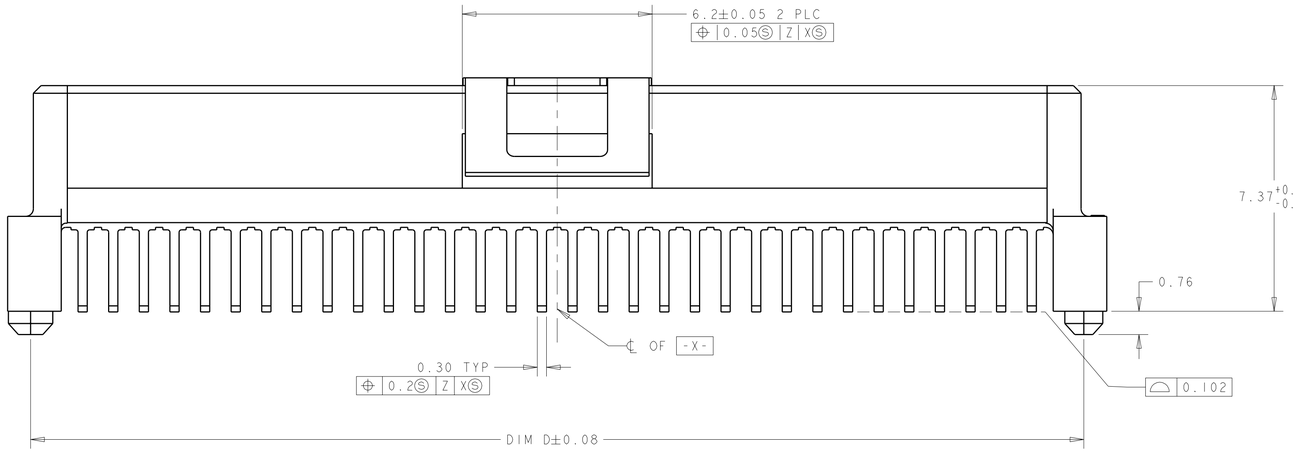
8 VACUUM COVER NOT SHOWN IN SOME VIEWS FOR CLARITY.

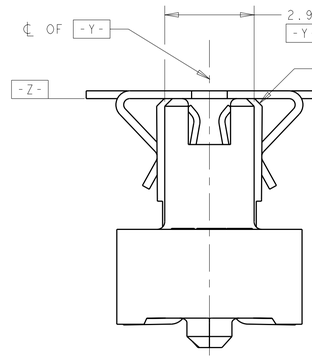
9 5.5 MIN DIAMETER TARGET AREA FOR VACUUM PICK-UP.

10 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.

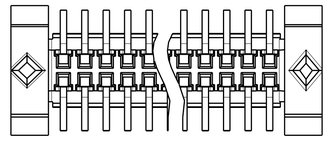
11 SQUARE AND DIAMOND SHAPED POSTS

12 ROUND SHAPED POSTS

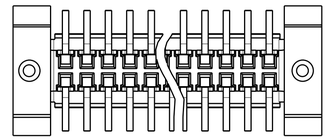


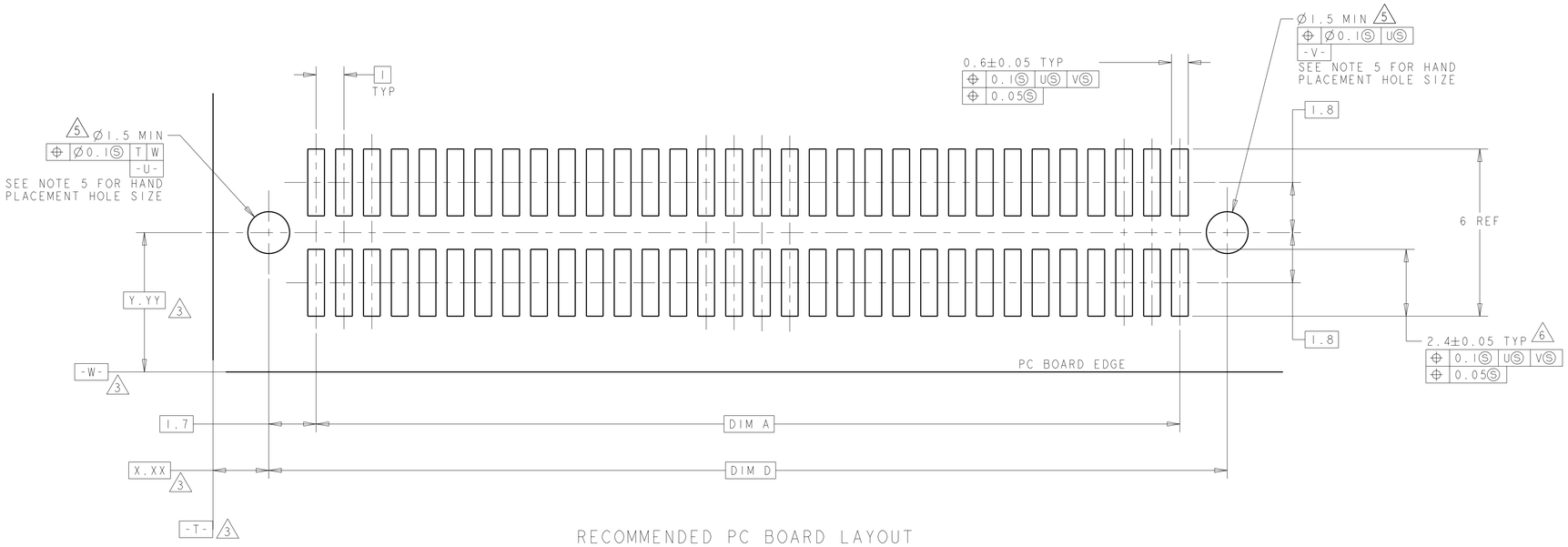


11 STYLE A POSTS



12 STYLE B POSTS





RECOMMENDED PC BOARD LAYOUT

12	10	44.4	45.9	44.22	41	11,12	84	3-5146894-2
12	10	34.4	35.9	34.22	31	11,12	64	3-5146894-1
12	2	44.4	45.9	44.22	41	11,12	84	2-5146894-2
12	2	34.4	35.9	34.22	31	11,12	64	2-5146894-1
11	10	44.4	45.9	44.22	41	11,12	84	1-5146894-2
11	10	34.4	35.9	34.22	31	11,12	64	1-5146894-1
11	2	44.4	45.9	44.22	41	11,12	84	5146894-2
11	2	34.4	35.9	34.22	31	11,12	64	5146894-1
POST STYLE	FINISH	DIM D	DIM C	DIM B	DIM A	STACK HEIGHTS	POS	PART NUMBER

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DWN B.CARBO 01OCT04
CHK R.WERTZ 01OCT04
APVD R.WERTZ 01OCT04

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
RECEPTACLE ASSY, W/VACUUM COVER, 1.0mm FH(IEEE 1386) CONNECTOR

PRODUCT SPEC 502-1079
APPLICATION SPEC 114-25545

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±0.03
3 PLC ±0.003
4 PLC ±-
ANGLES ±0° 1'

MATERIAL 1
FINISH - SEE TABLE
WEIGHT -

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-5146894 | RESTRICTED TO -
CUSTOMER DRAWING
SCALE 10:1 | SHEET 1 OF 1 | REV B1