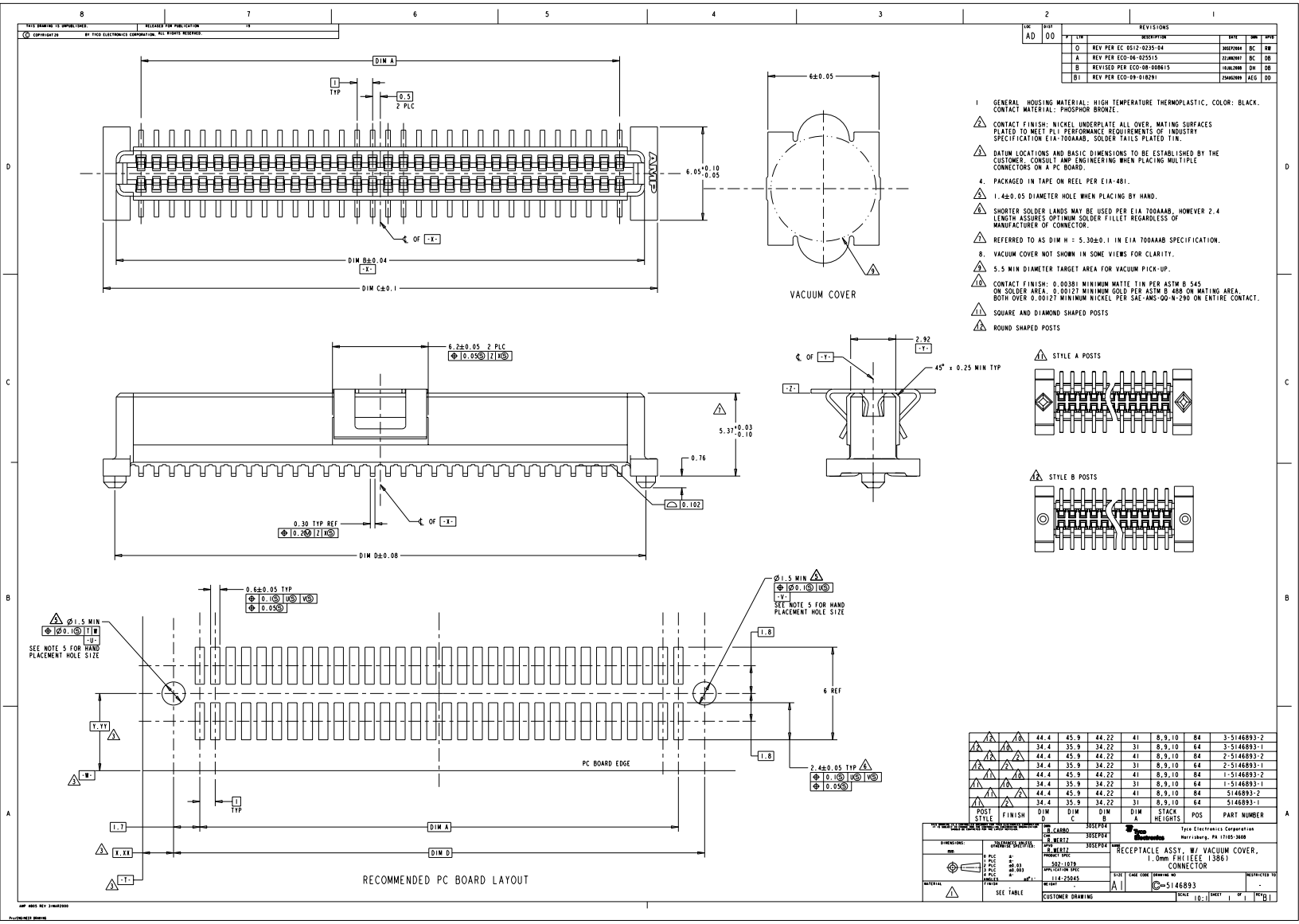

LOC	DIST
AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DRN	APVD
	O	REV PER EC 0512-0235-04	30SEP2004	BC	RW
	A	REV PER ECO-06-025515	22JUN2007	BC	DB
	B	REVISED PER ECO-08-008615	10JUL2009	DH	DB
	B1	REV PER ECO-09-018291	25AUG2009	AEG	DD

1 GENERAL 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 = 5.30±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

POST STYLE	FINISH	DIM D	DIM C	DIM B	DIM A	STACK HEIGHTS	POS	PART NUMBER
12	10	44.4	45.9	44.22	41	8,9,10	84	3-5146893-2
12	10	34.4	35.9	34.22	31	8,9,10	64	3-5146893-1
12	2	44.4	45.9	44.22	41	8,9,10	84	2-5146893-2
12	2	34.4	35.9	34.22	31	8,9,10	64	2-5146893-1
11	10	44.4	45.9	44.22	41	8,9,10	84	1-5146893-2
11	10	34.4	35.9	34.22	31	8,9,10	64	1-5146893-1
11	2	44.4	45.9	44.22	41	8,9,10	84	5146893-2
11	2	34.4	35.9	34.22	31	8,9,10	64	5146893-1

DIMENSIONS: mm

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

MATERIAL 1 — FINISH SEE TABLE

DRN B.CARRO 30SEP04
CHK R.WERTZ 30SEP04
APVD R.WERTZ 30SEP04
PRODUCT SPEC 502-1079
APPLICATION SPEC 114-25045
WEIGHT -
CUSTOMER DRAWING

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

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

SIZE A1 | CAGE CODE | DRAWING NO C-5146893 | RESTRICTED TO -
SCALE 10:1 | SHEET 1 OF 1 | REV B1

AMP 0005 REV 31MAR2000
ProENGINEER DRAWING

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