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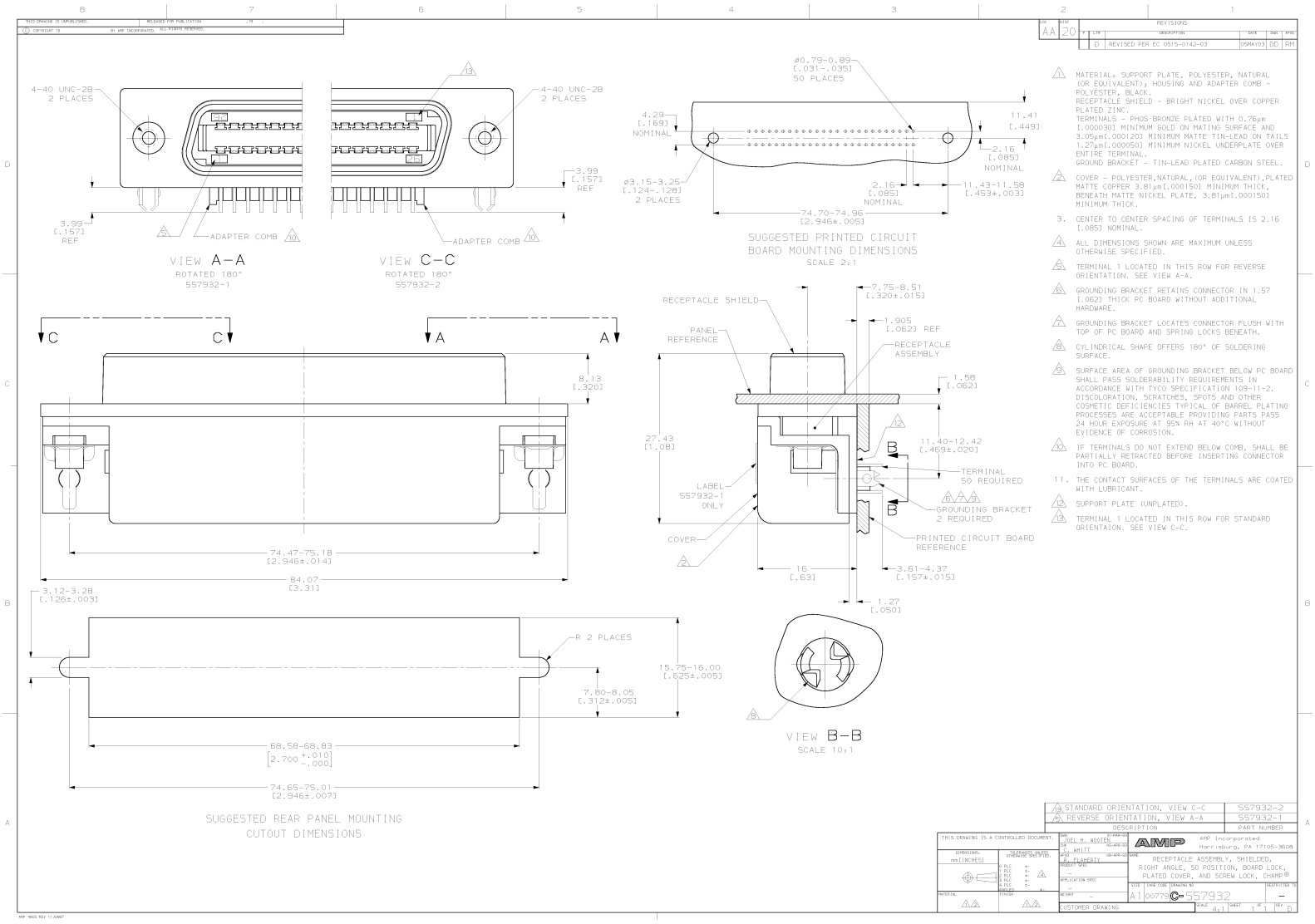
TE Connectivity AMP Connectors
557932-2

For any questions, you can email us directly:
sales@integrated-circuit.com


4-40 UNC-2B
2 PLACES
ADAPTER COMB
VIEW A-A
ROTATED 180°
557932-1
VIEW C-C
ROTATED 180°
557932-2
3.99
[.157]
REF
ø0.79-0.89
[.031-.035]
50 PLACES
4.29
[.169]
NOMINAL
11.41
[.449]
2.16
[.085]
NOMINAL
ø3.15-3.25
[.124-.128]
2 PLACES
11.43-11.58
[.453±.003]
74.70-74.96
[2.946±.005]
SUGGESTED PRINTED CIRCUIT
BOARD MOUNTING DIMENSIONS
SCALE 2:1
RECEPTACLE SHIELD
PANEL
REFERENCE
RECEPTACLE
ASSEMBLY
7.75-8.51
[.320±.015]
1.905
[.062] REF
1.58
[.062]
8.13
[.320]
27.43
[1.08]
11.40-12.42
[.469±.020]
TERMINAL
50 REQUIRED
LABEL
557932-1
ONLY
GROUNDING BRACKET
2 REQUIRED
COVER
PRINTED CIRCUIT BOARD
REFERENCE
74.47-75.18
[2.946±.014]
84.07
[3.31]
3.12-3.28
[.126±.003]
16
[.63]
3.61-4.37
[.157±.015]
1.27
[.050]
R 2 PLACES
15.75-16.00
[.625±.005]
7.80-8.05
[.312±.005]
68.58-68.83
[2.700 +.010 -.000]
74.65-75.01
[2.946±.007]
SUGGESTED REAR PANEL MOUNTING
CUTOUT DIMENSIONS
VIEW B-B
SCALE 10:1
MATERIAL: SUPPORT PLATE, POLYESTER, NATURAL (OR EQUIVALENT); HOUSING AND ADAPTER COMB - POLYESTER, BLACK.
RECEPTACLE SHIELD - BRIGHT NICKEL OVER COPPER PLATED ZINC.
TERMINALS - PHOS BRONZE PLATED WITH 0.76µm [.0000301 MINIMUM GOLD ON MATING SURFACE AND 3.05µm[.000120] MINIMUM MATTE TIN-LEAD ON TAILS 1.27µm[.000050] MINIMUM NICKEL UNDERPLATE OVER ENTIRE TERMINAL.
GROUND BRACKET - TIN-LEAD PLATED CARBON STEEL.
COVER - POLYESTER,NATURAL,(OR EQUIVALENT),PLATED MATTE COPPER 3.81µm[.000150] MINIMUM THICK, BENEATH MATTE NICKEL PLATE, 3.81µm[.000150] MINIMUM THICK.
3. CENTER TO CENTER SPACING OF TERMINALS IS 2.16 [.085] NOMINAL.
ALL DIMENSIONS SHOWN ARE MAXIMUM UNLESS OTHERWISE SPECIFIED.
TERMINAL 1 LOCATED IN THIS ROW FOR REVERSE ORIENTATION. SEE VIEW A-A.
GROUNDING BRACKET RETAINS CONNECTOR IN 1.57 [.062] THICK PC BOARD WITHOUT ADDITIONAL HARDWARE.
GROUNDING BRACKET LOCATES CONNECTOR FLUSH WITH TOP OF PC BOARD AND SPRING LOCKS BENEATH.
CYLINDRICAL SHAPE OFFERS 180° OF SOLDERING SURFACE.
SURFACE AREA OF GROUNDING BRACKET BELOW PC BOARD SHALL PASS SOLDERABILITY REQUIREMENTS IN ACCORDANCE WITH TYCO SPECIFICATION 109-11-2. DISCOLORATION, SCRATCHES, SPOTS AND OTHER COSMETIC DEFICIENCIES TYPICAL OF BARREL PLATING PROCESSES ARE ACCEPTABLE PROVIDING PARTS PASS 24 HOUR EXPOSURE AT 95% RH AT 40°C WITHOUT EVIDENCE OF CORROSION.
IF TERMINALS DO NOT EXTEND BELOW COMB, SHALL BE PARTIALLY RETRACTED BEFORE INSERTING CONNECTOR INTO PC BOARD.
11. THE CONTACT SURFACES OF THE TERMINALS ARE COATED WITH LUBRICANT.
SUPPORT PLATE (UNPLATED).
TERMINAL 1 LOCATED IN THIS ROW FOR STANDARD ORIENTAION. SEE VIEW C-C.
REVISIONS
D REVISED PER EC 0515-0142-03 05MAY03 DD RM
STANDARD ORIENTATION, VIEW C-C 557932-2
REVERSE ORIENTATION, VIEW A-A 557932-1
DESCRIPTION PART NUMBER
THIS DRAWING IS A CONTROLLED DOCUMENT.
JOEL M. WOOTEN
J. WHITT
R. FLAHERTY
AMP Incorporated
Harrisburg, PA 17105-3608
RECEPTACLE ASSEMBLY, SHIELDED, RIGHT ANGLE, 50 POSITION, BOARD LOCK, PLATED COVER, AND SCREW LOCK, CHAMP®
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CUSTOMER DRAWING
SCALE 4:1
SHEET 1 OF 1
REV D