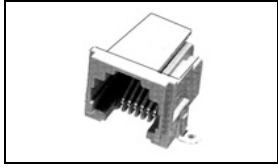# 5406514-2 Product Details

5406514-2

TE Internal Number: 5406514-2

✓ Active

PCB Mounted Jacks - Single Port, Multi-port and Stacked

🌿 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector
- Preloaded
- Single Port Configuration
- 1 x 1 Jack Configuration
- Jack Type = RJ25

Documentation & Additional Information

Product Drawings:
- MODULAR JACK ASSEMBLY, 6/6 POSITION, SURFACE MOUNT, ... (PDF, English)

Catalog Pages/Data Sheets:
- 82066 - Modular Jacks and MRJ21 Product catalog - Si... (PDF, English)

Product Specifications:
- High Performance Modular Plugs & Jacks, PCB Mounted (PDF, English)

Application Specifications:
- Modular Jacks (PDF, English)

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version C)
- 3D Model (IGES, Version C)
- 3D Model (STEP, Version C)

Additional Information:
- Product Line Information

Related Products:
- Tooling

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:
- Product Type = Connector
- Jack Type = RJ25
- PCB Mounting Orientation = Side Entry (Right Angle)
- PCB Mount Style = Surface Mount
- Termination Method to PC Board = Solder
- Performance Category = Cat 3
- LED = Without
- Grounding Options = Without
- Panel Stops = Without
- Keyed = No
- Profile = Low
- Color = Tan

Mechanical Attachment:
- Panel Mount Retention = With
- Flanged = No

Electrical Characteristics:
- Shielded = No

Termination Features:
- Solder Tail Contact Plating = Tin over Nickel

Dimensions:
- Height (mm [in]) = 12.40 [0.488]
- PCB Thickness, Recommended (mm [in]) = 1.57 [0.062]

Body Features:
- Inverted Jack Face = Yes

Contact Features:
- Contact Plating, Mating Area, Material = Gold Flash over Palladium Nickel
- Contact Base Material = Copper Alloy

Housing Features:
- Housing Material = High Temperature Thermoplastic
- UL Flammability Rating = UL 94V-0

Configuration Features:
- Preloaded = Yes
- Port Configuration = Single
- Jack Configuration = 1 x 1
- Number of Positions = 6
- Number of Contacts Loaded = 6

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Reflow solder capable to 245°C
- RoHS/ELV Compliance History = Always was RoHS compliant

Packaging Features:
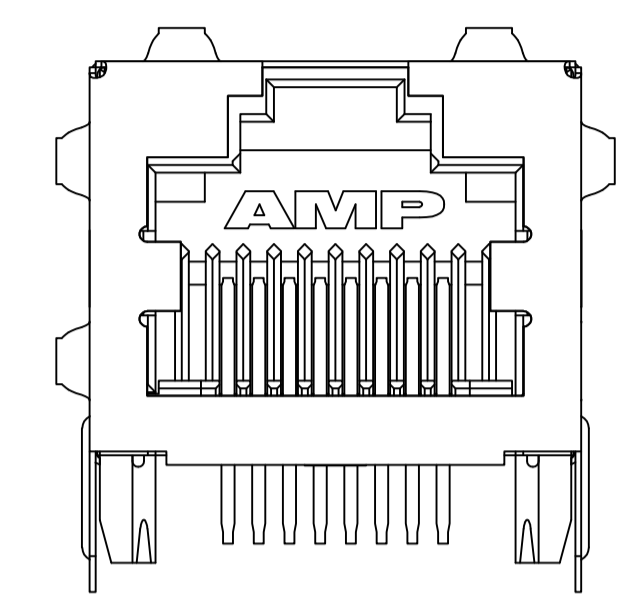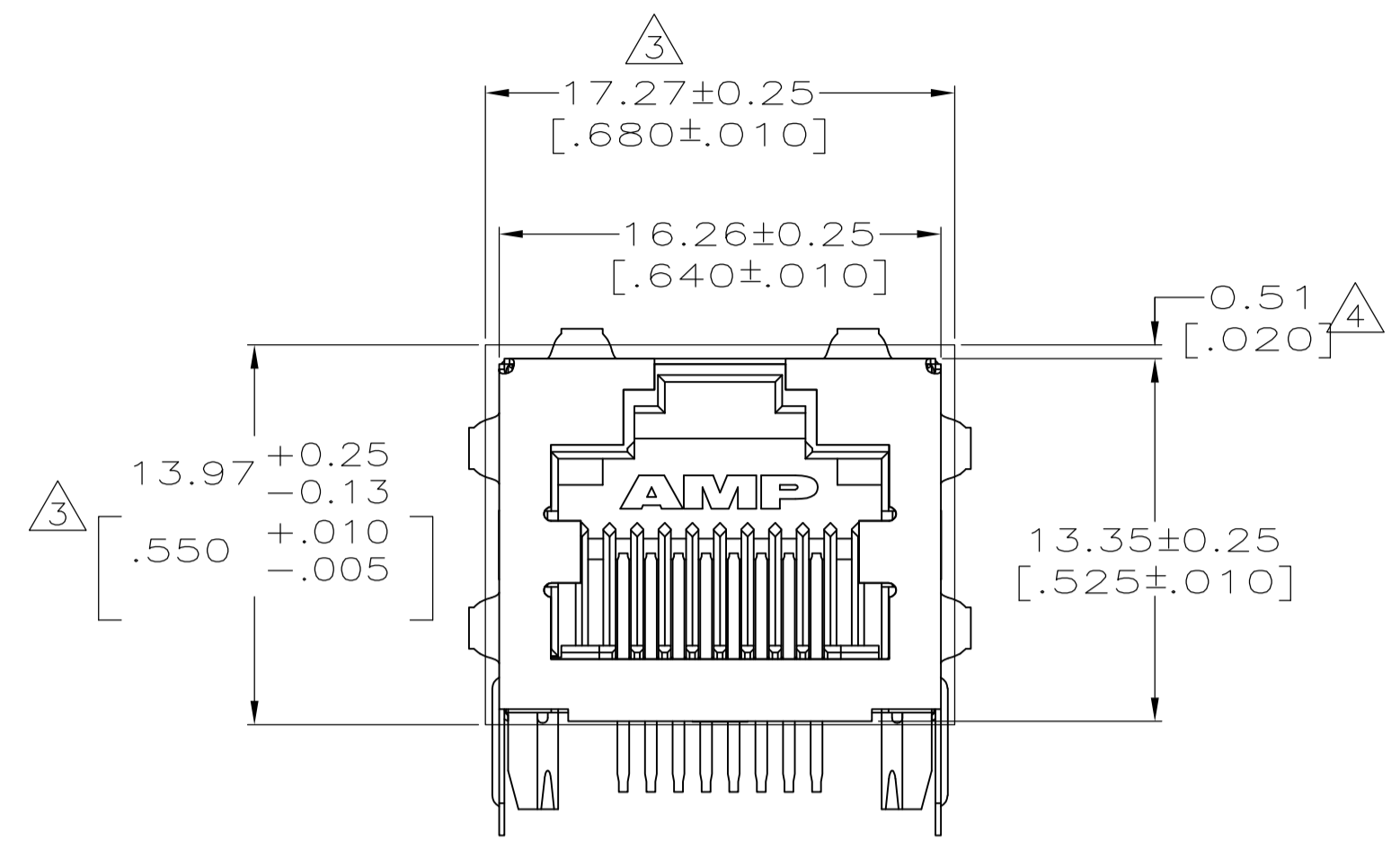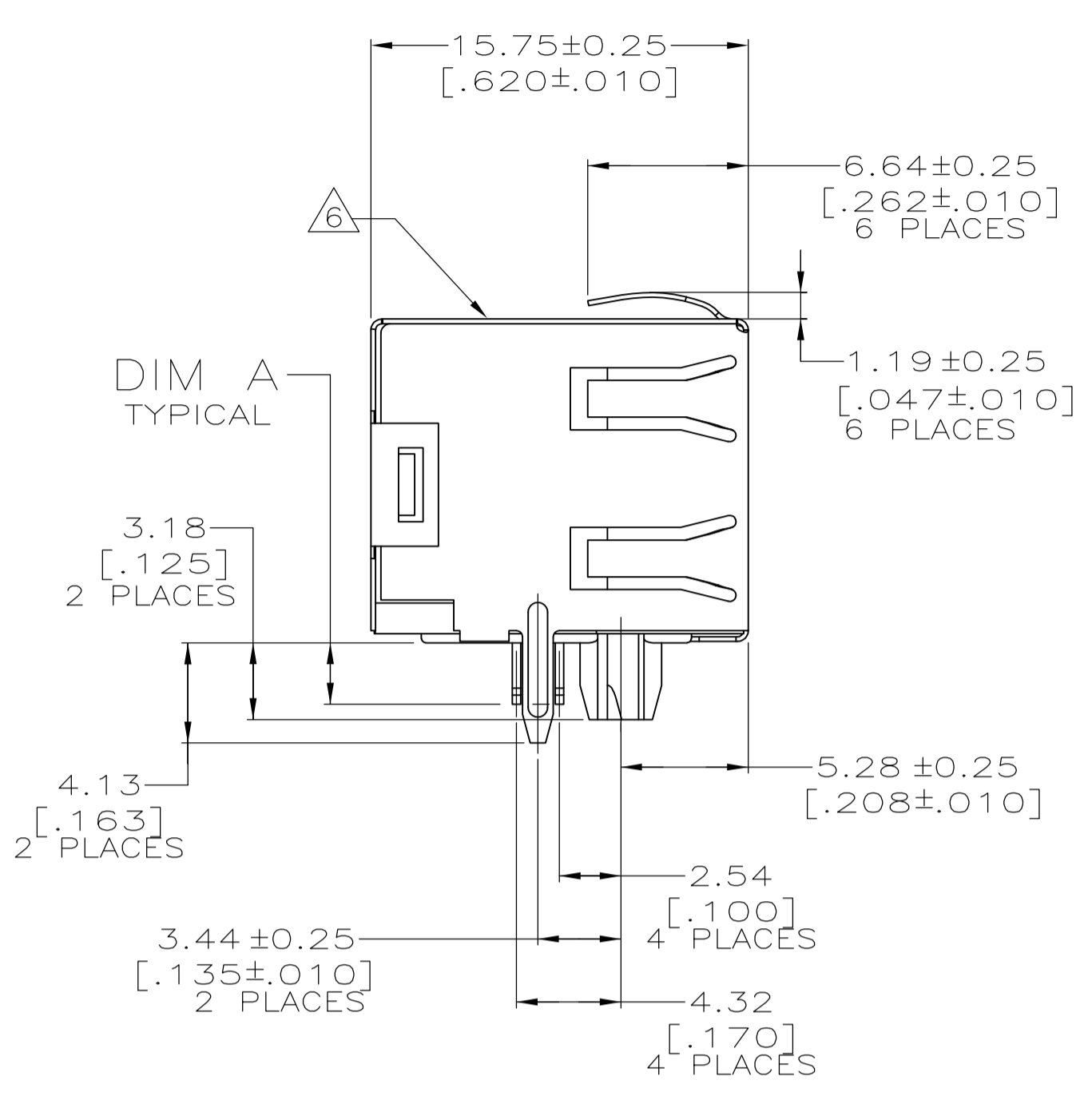- Packaging Method = Tape Mounted on Reel
- Packaging Quantity = 200

Product Availability:
- Region = Asia, North America

Other:
- Brand = AMP
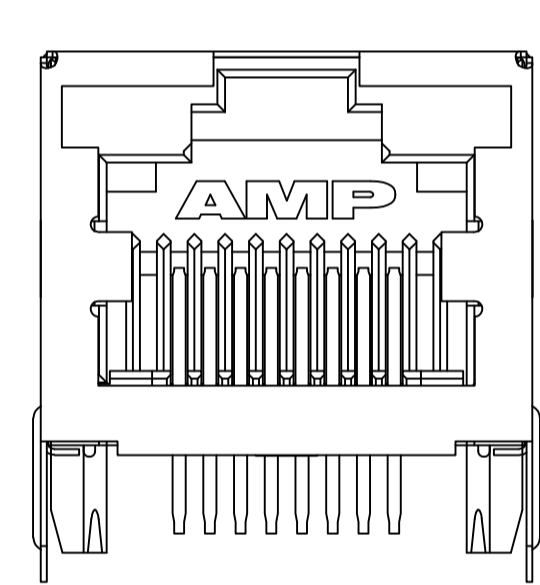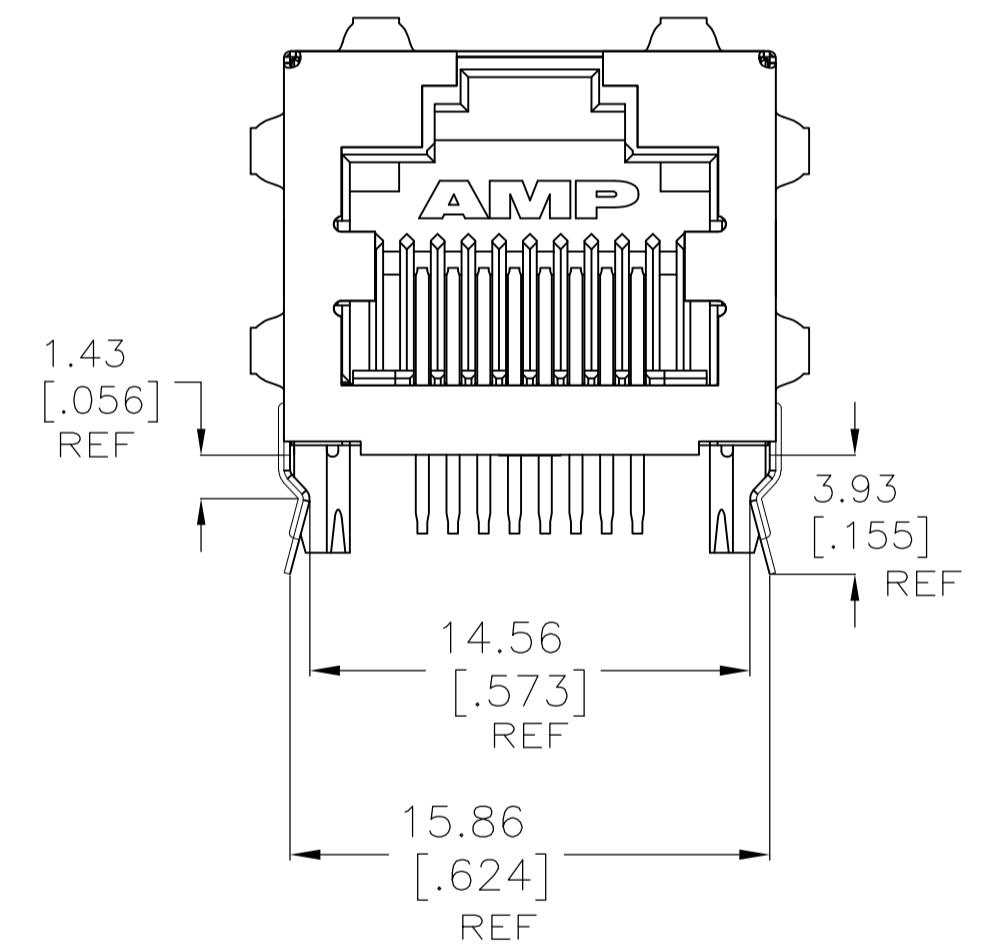- Comment = Inward boardlocks

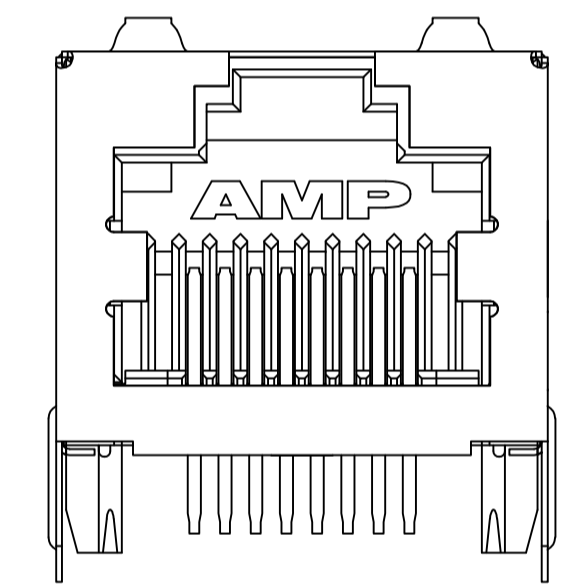|			REVISIONS			
LOC AA	DIST 00					
	P	LTR	DESCRIPTION	DATE	DWN	APVD
	M9	ECR-12-006122		28MAR12	JJ	AC

MATERIAL:

1. HOUSING – HIGH TEMPERATURE THERMOPLASTIC,
COLOR: BLACK, UL94V-0
TERMINALS – 0.36[.014] THICK PHOS BRONZE
PLATED WITH 3.81μm[.000150] MINIMUM THICK
(SEE P/N TABLE) IN SOLDER AREA. 1.27μm
[.000050] MINIMUM GOLD IN LOCALIZED PLATE
AREA. ENTIRE TERMINAL PLATED WITH 1.27μm
[.000050] MINIMUM THICK NICKEL.
SHIELD – 0.196[.0077] THICK COPPER ZINC ALLOY
PREPLATED WITH 1.27μm[.000050] MINIMUM SATIN
NICKEL WITH 2.03μm[.000080] MINIMUM TIN
POST DIPPED ON PCB GROUND TABS.

2. JACK CAVITY CONFORMS TO FCC RULES AND
REGULATIIONS PART 68, SUBPART F.

3. SUGGESTED PANEL OPENING DIMENSIONS.

4. SUGGESTED CLEARANCE BETWEEN TOP OF CONNECTOR
AND TOP PANEL OPENING.

5. ON 406541-4 & 1-406541-4 LOWER RIGHT HAND
PANEL GROUND TAB IS NOT PRESENT.

6. MANUFACTURING DATE CODE:
LOCATED APPROX. AS SHOWN.
FIRST 2 DIGITS = LAST 2 DIGITS OF YEAR.
NEXT 2 DIGITS = MANUFACTURING WORK WEEK,
LAST DIGIT = DAY OF WEEK WITH SUNDAY = 1.

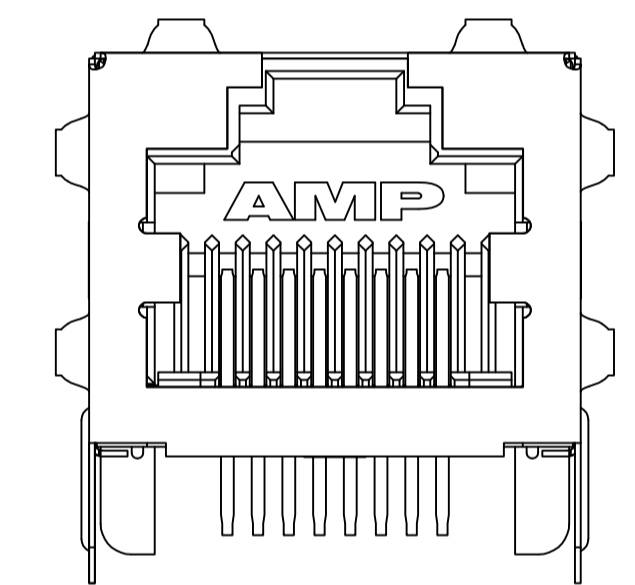7. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER
D.RENAUD/D.SINISI

DIM A TYPICAL

15.75±0.25 [.620±.010]
6.64±0.25 [.262±.010] 6 PLACES
1.19±0.25 [.047±.010] 6 PLACES
3.18 [.125] 2 PLACES
4.13 [.163] 2 PLACES
5.28±0.25 [.208±.010]
3.44±0.25 [.135±.010] 2 PLACES
2.54 [.100] 4 PLACES
4.32 [.170] 4 PLACES

17.27±0.25 [.680±.010]
16.26±0.25 [.640±.010]
0.51 [.020]
13.97 +0.25 -0.13 / .550 +.010 -.005
13.35±0.25 [.525±.010]

406541-1, -3, & -6
1-406541-1, 1--3, 1--6 & 1--9

406541-4
1-406541-4
WITHOUT LOWER RIGHT PANEL GROUND

406541-5
1-406541-5
1-406541-8
WITHOUT PANEL GROUNDS

1-406541-7

1.43 [.056] REF
3.93 [.155] REF
14.56 [.573] REF
15.86 [.624] REF
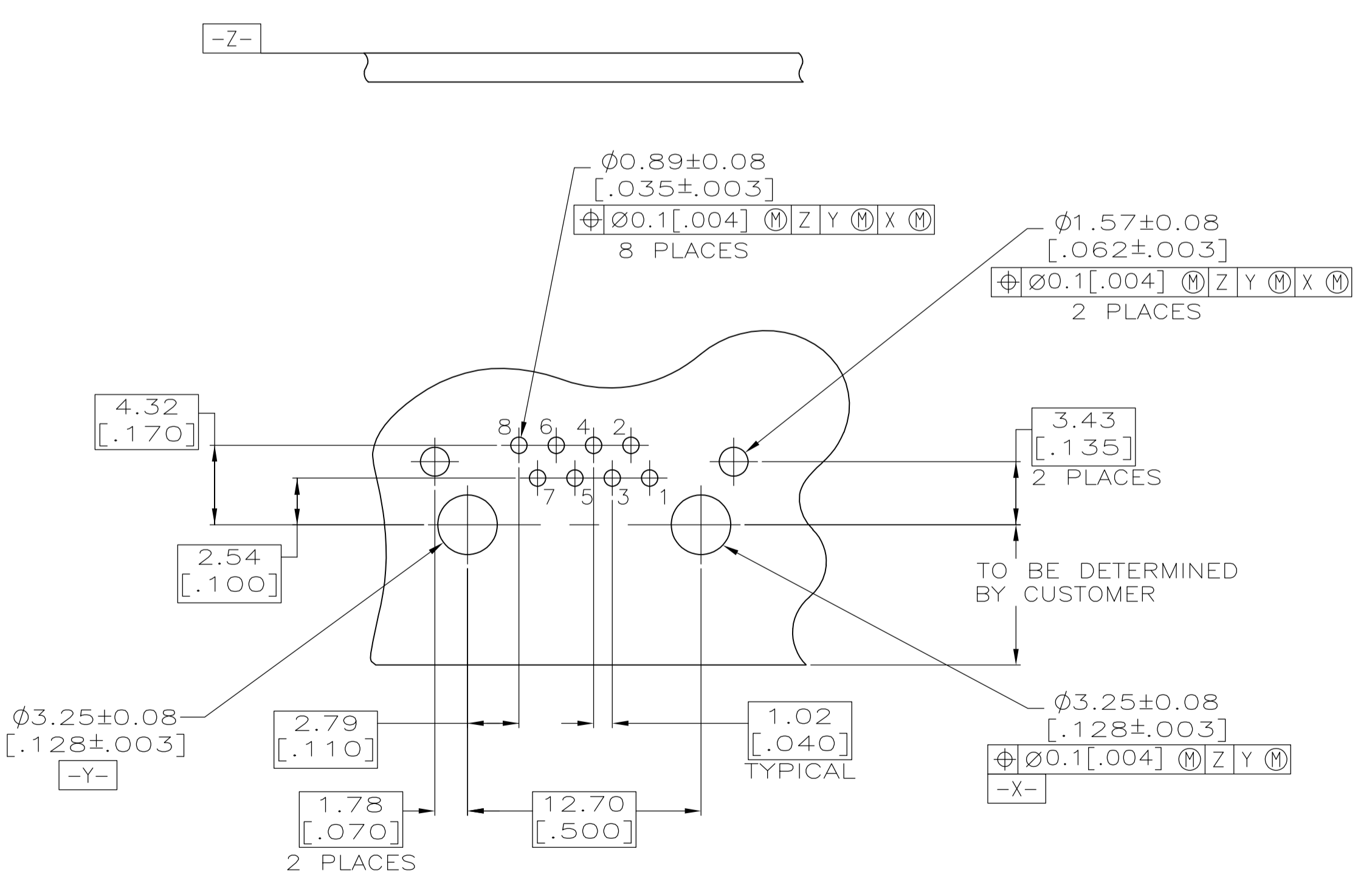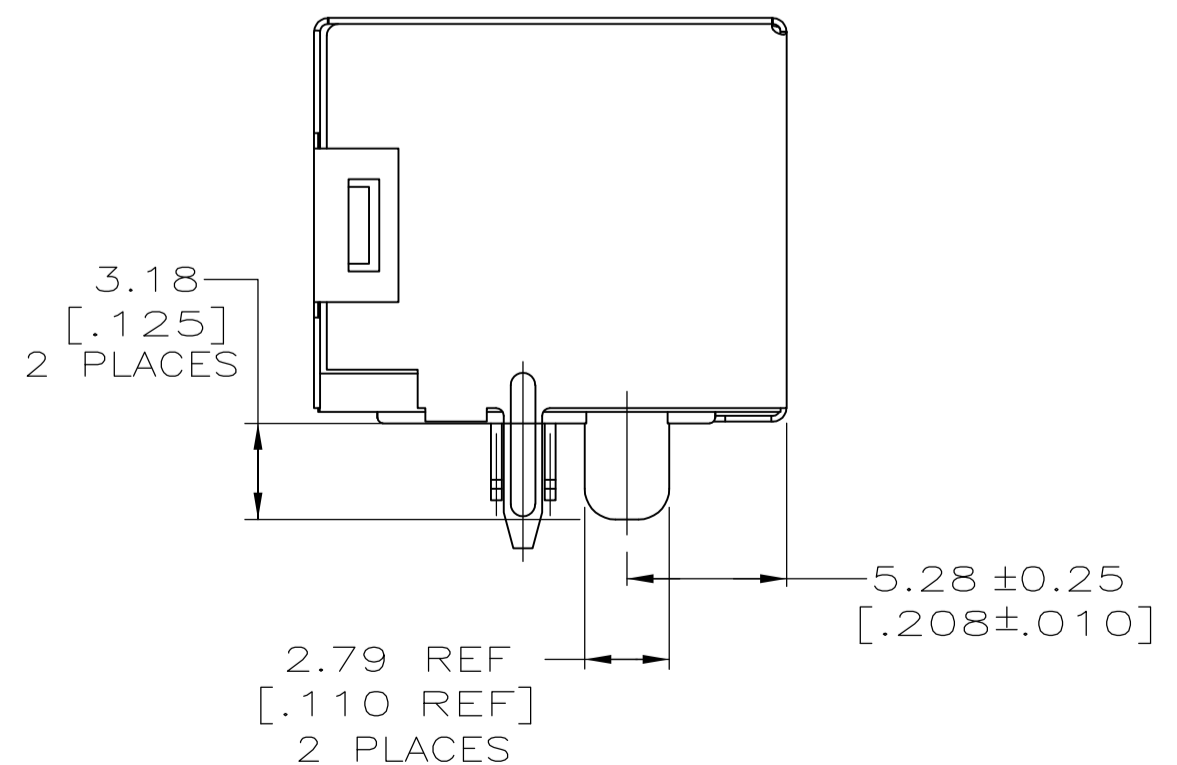
2-406541-1
WITHOUT SIDE PANEL GROUND

2-406541-3
NARROW POST TYPE

-Z-

SUGGESTED PRINTED CIRCUIT BOARD LAYOUT
(COMPONENT SIDE)

Ø0.89±0.08 [.035±.003]
⌖ Ø0.1[.004] Ⓜ Z Y Ⓜ X Ⓜ
8 PLACES

Ø1.57±0.08 [.062±.003]
⌖ Ø0.1[.004] Ⓜ Z Y Ⓜ X Ⓜ
2 PLACES

4.32 [.170] 2 PLACES
2.54 [.100]
3.43 [.135] 2 PLACES
TO BE DETERMINED BY CUSTOMER

Ø3.25±0.08 [.128±.003] -Y-
2.79 [.110]
1.02 [.040] TYPICAL
Ø3.25±0.08 [.128±.003]
⌖ Ø0.1[.004] Ⓜ Z Y Ⓜ -X-
1.78 [.070] 2 PLACES
12.70 [.500]

8 6 4 2
7 5 3 1

3.18 [.125] 2 PLACES
2.79 REF [.110 REF] 2 PLACES
5.28±0.25 [.208±.010]

2-406541-0 , 2-2
NARROW POST TYPE

	PACKAGING	PANEL GROUNDS	DIM A	PART NUMBER
M9	TRAY	6	3.05[.120]	2-406541-3
	TRAY	0	2.54[.100]	2-406541-2
	TRAY	2	2.54[.100]	2-406541-1
	TAPE/REEL	0	2.54[.100]	2-406541-0
	TRAY	6	3.05[.120]	1-406541-9
	TAPE/REEL	0	2.54[.100]	1-406541-8
MATTE TIN	TRAY	6	2.54[.100]	1-406541-7
	TRAY	6	3.56[.140]	1-406541-6
	TRAY	0	2.54[.100]	1-406541-5
	TRAY	5	2.54[.100]	1-406541-4
OBSOLETE	TRAY	6	2.00[.079]	1-406541-3
	TRAY	6	2.54[.100]	1-406541-1
	TRAY	6	3.56[.140]	406541-6
BRIGHT TIN-LEAD	TRAY	0	2.54[.100]	406541-5
	TRAY	5	2.54[.100]	406541-4
OBSOLETE -3	TRAY	6	2.00[.079]	406541-3
	TRAY	6	2.54[.100]	406541-1

TERMINAL PLATING

DIMENSIONS: mm [INCHES]
TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± 0.25[.010]
3 PLC ± –
4 PLC ± –
ANGLES ± – ± –

DWN TS/L.A.MAYER 09JAN2008
CHK J.WESTMAN 09JAN2008
APVD S.FLICKINGER 09JAN2008 NAME
PRODUCT SPEC –
APPLICATION SPEC –

MATERIAL SEE TABLE
FINISH SEE TABLE

≡TE   TE Connectivity

INVERT MOUDULAR JACK ASSEMBLY
1 X 1, SHIELDED, PANEL GROUND
–

SIZE A1 | CAGE CODE 00779 | DRAWING NO Ⓒ-406541 | RESTRICTED TO –
WEIGHT –
CUSTOMER DRAWING
SCALE 4:1 | SHEET 1 of 1 | REV M9

4805 (3/11)