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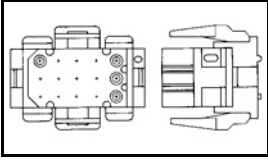
1-640523-0 Product Details

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1-640523-0

TE Internal Number: 1-640523-0

✔ Active

📄 View 3D PDF

.165" Centerline, 250 V, 9 A max.

🍃 Always EU RoHS/ELV Compliant

(Statement of Compliance)

Product Highlights:

- Wire-to-Board, Wire-to-Board / Wire-to-Panel / Wire-to-Wire, Wire-to-Panel, Wire-to-Wire
- Connector
- Housing
- Connector Style = Plug
- Applies To Wire/Cable

View all Features

Quick Links

- ▷ Pricing & Availability
- ▷ Search for Tooling
- ▷ View Mating Products (5)
- ▷ Product Feature Selector
- ▷ Contact Us About This Product

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Documentation & Additional Information

Product Drawings:
- HOUSING, PLUG MRII 15 POSITION (PDF, English)

Catalog Pages/Data Sheets:
- SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG (PDF, English)

Product Specifications:
- Connector, Minature Rectangular (MR) (PDF, English)

Application Specifications:
- Miniature Rectangular Contacts and Housings (PDF, English)

Instruction Sheets:
- AMP* MINIATURE RECTANGULAR II (MRII) CONNECTORS (PDF, English)

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

Additional Information:
- Product Line Information

Related Products:
- Tooling
- Mating Products (5)

List all Documents

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

Product Type Features:
- Product Type = Connector
- Connector Type = Housing
- Strain Relief = Without
- PCB Mount Retention = Without
- PCB Mount Alignment = Without
- Shrouded = Yes
- Sealed = No
- Shape = Rectangular
- UL File Number = E28476
- CSA File Number = LR 7189

Mechanical Attachment:
- Panel Mount Retention = Without
- Mating Retention Type = Positive Lock

Configuration Features:
- Number of Positions = 15
- Number of Rows = 5
- Number of Columns = 3

Industry Standards:
- UL Voltage Rating (VAC) = 250
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 240°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- Agency/Standard = UL, CSA
- UL Rating = Recognized

Electrical Characteristics:
- Hot Pluggable = No
- Operating Voltage Reference = AC
- Operating Voltage (VAC) = 250

Dimensions:
- Length (X-Axis) (mm [in]) = 21.34 [0.840]
- Width (Z-Axis) (mm [in]) = 29.72 [1.170]
- Profile Height (Y-Axis) (mm [in]) = 12.95 [0.510]

Body Features:
- Mating Retention = With
- Row-to-Row Spacing (mm [in]) = 4.19 [0.1649]

Contact Features:
- Contact Type = Socket

Housing Features:
- Connector Style = Plug
- Housing Color = Brick Red
- Mating Alignment = With
- Centerline (mm [in]) = 4.19 [0.1649]
- Mating Alignment Type = Polarization
- UL Flammability Rating = UL 94V-0

Environmental:
- Operating Temperature (°C [°F]) = -55 – +105 [-67 – +221]

Conditions for Usage:
- Applies To = Wire/Cable
- Accepts Wire Insulation Diameter, Range (mm [in]) = 2.92 [0.115]

Operation/Application:
- Application Use = Wire-to-Board, Wire-to-Board / Wire-to-Panel / Wire-to-Wire, Wire-to-Panel, Wire-to-Wire

Packaging Features:
- Packaging Method = Loose Piece

Other:
- Brand = AMP

		REVISIONS			
LOC CM	DIST 52				
		P	LTR	DESCRIPTION	DATE	DWN	APVD
			E	REVISED PER EC 0G3B-0104-99	05-OCT-99	KW	KC
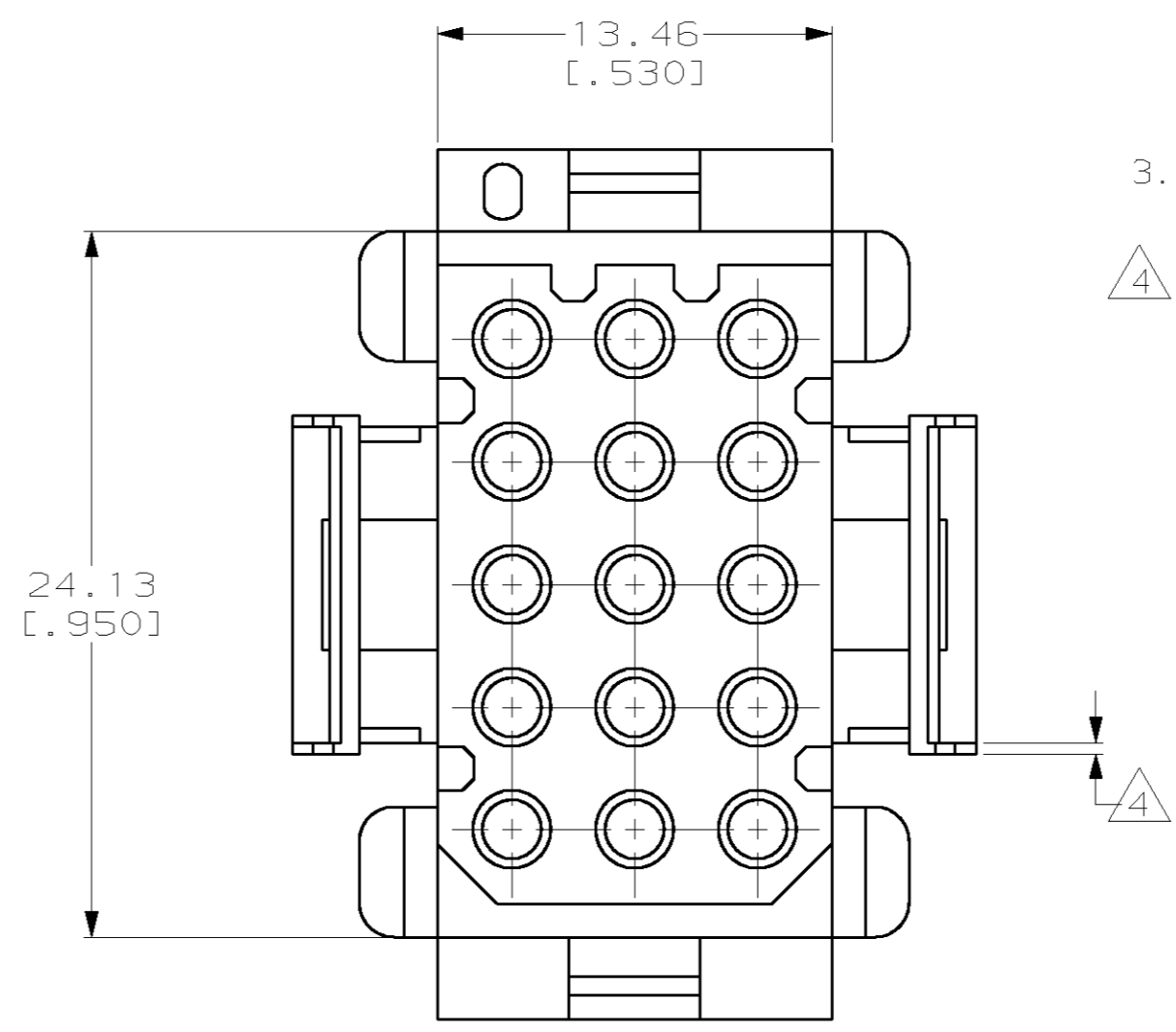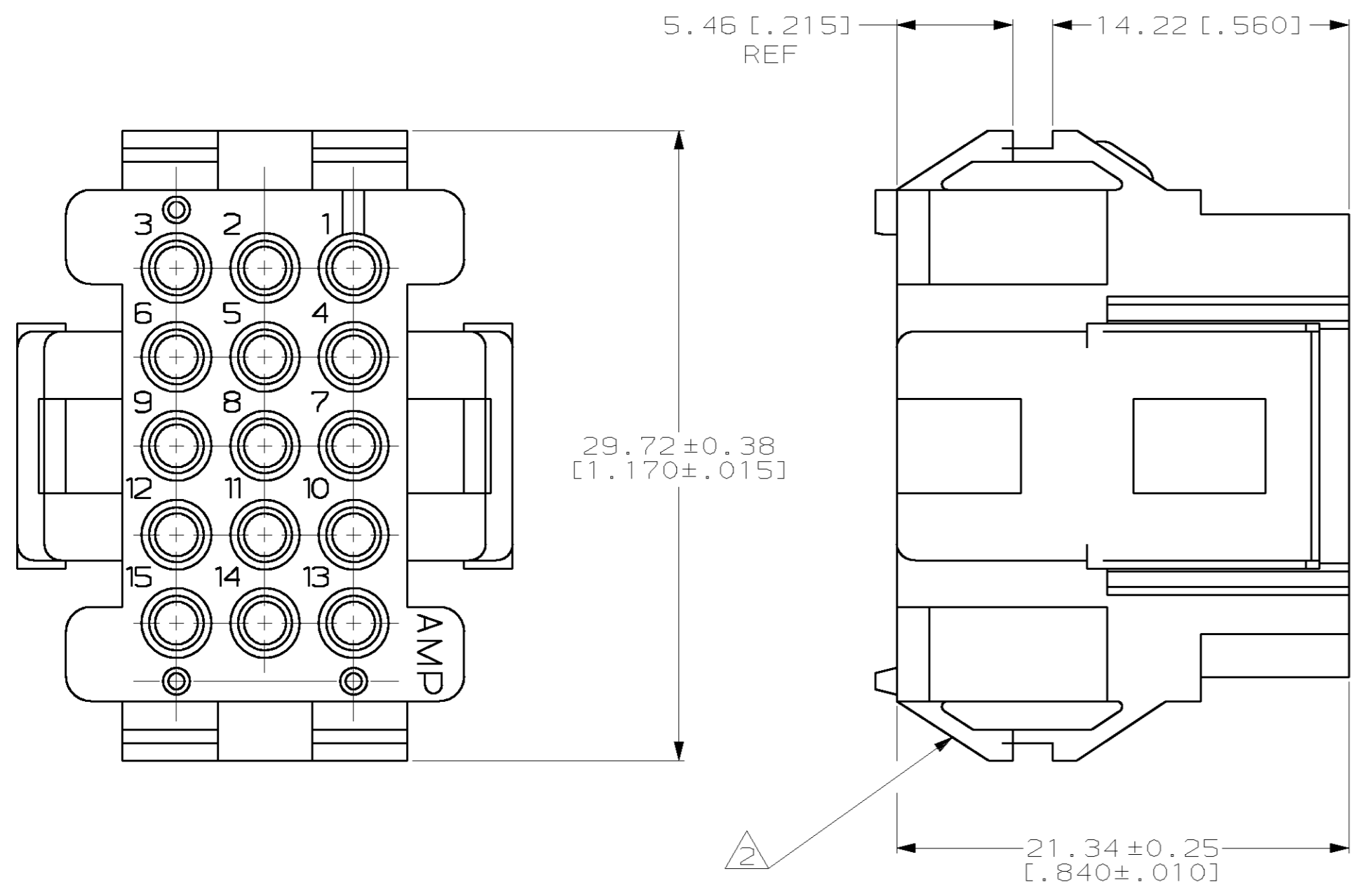
1. MATES WITH HOUSING 640513.

2. UL LOGO AND CSA LOGO TO APPEAR ON EITHER LATCH SURFACE PER AMP SPEC 202-20, I.D. NO. 1-18838-3 AND 1-18839-3. FROST BACKGROUND OPTIONAL.

3. DIMENSIONS IN BRACKETS ARE IN INCHES.

4. NON-FILL PERMITTED UP TO 3.8[.15] FROM EDGE OF LATCH ARM ON THE 0.38[.015] THICK FLANGE, 4 PLC.

5.46 [.215] REF

14.22 [.560]

13.46 [.530]

3 2 1
6 5 4
9 8 7
12 11 10
15 14 13

AMP

29.72 ±0.38 [1.170±.015]

24.13 [.950]

21.34 ±0.25 [.840±.010]

23.37 ±0.38 [.920±.015]

20.19 [.795]

16.26 [.640]

7.82 [.308]

12.07 [.475]

27.69 [1.090]

24.13 [.950]
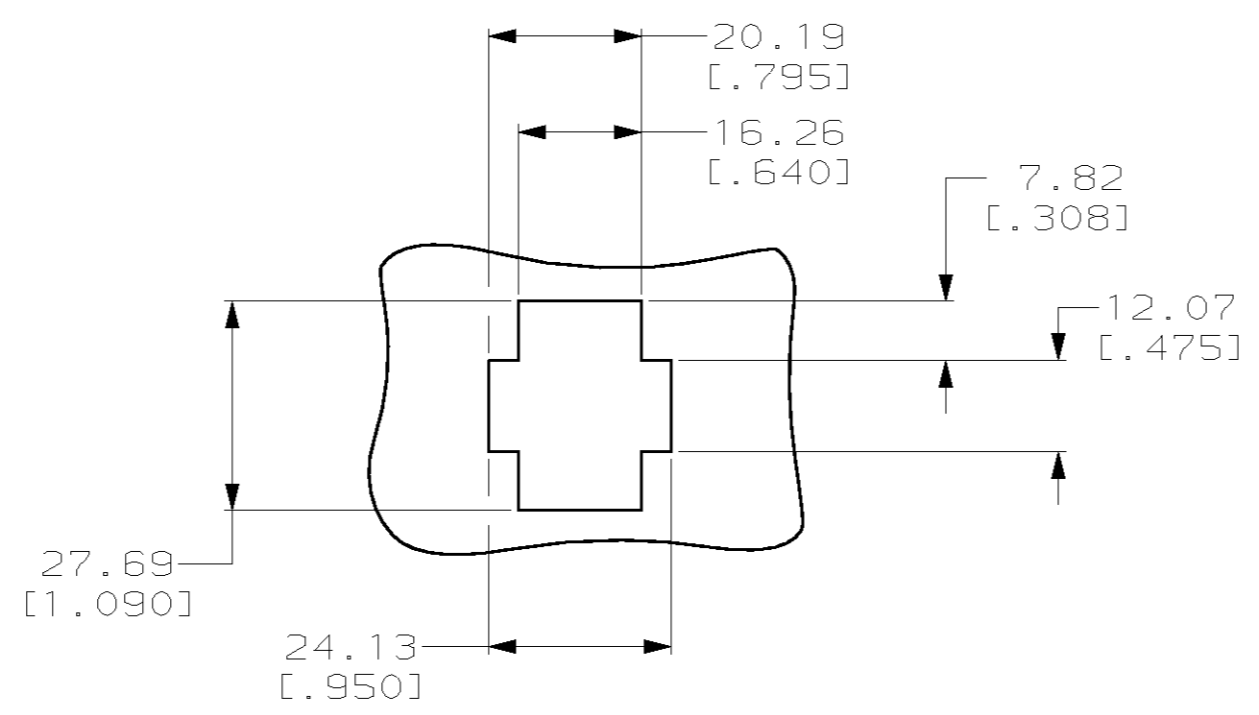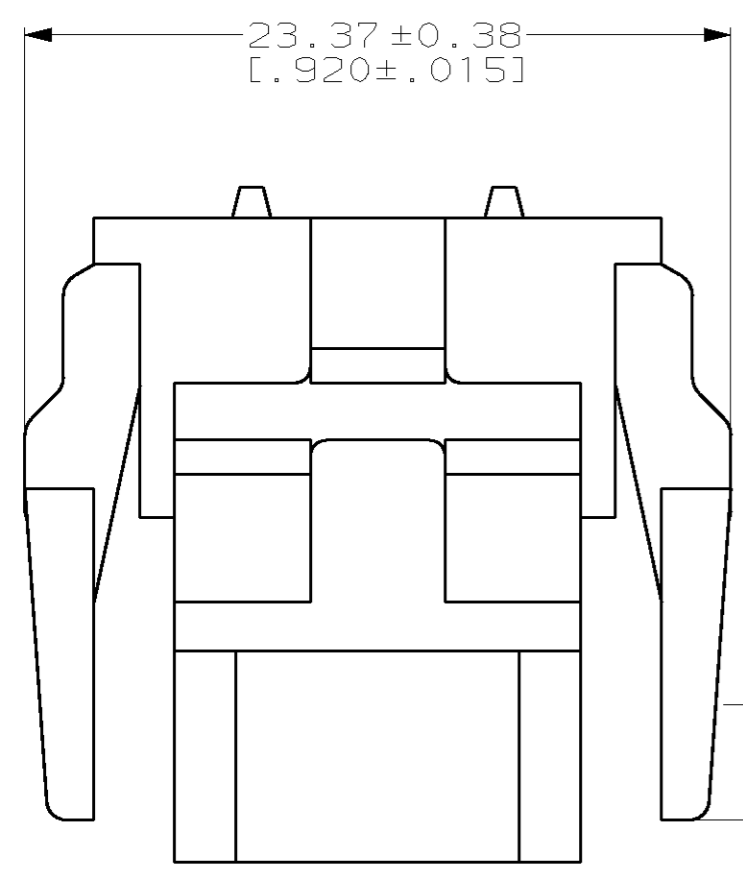
RECOMMENDED CUT OUT
FOR 1.73[.068] MAX THICK PANEL
SCALE 1:1

640523

METRIC
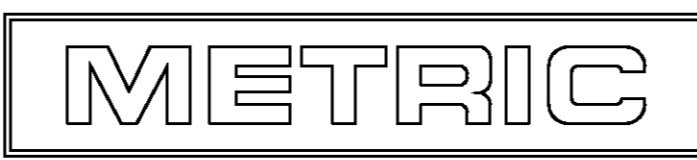
THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN R. VESTAL	12-01-97	AMP	AMP Incorporated Harrisburg, PA 17105-3608
	CHK R. SWING	12-01-97		
DIMENSIONS: mm [INCHES]	APVD A. BEDDICK	12-01-97	NAME	HOUSING, PLUG MRII 15 POSITION
TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC —			
0 PLC ±-	APPLICATION SPEC —			
1 PLC ±-				
2 PLC ±0.13[.005]				
3 PLC ±-				
4 PLC ±-				
ANGLES ±0°30'	WEIGHT —			
MATERIAL NYLON, UL 94V-0,NATURAL (BRICK RED)	FINISH —			

1-640523-0
PART NUMBER

SIZE A2	CAGE CODE 00779	DRAWING NO C-640523	
CUSTOMER DRAWING		SCALE 4:1	SHEET 1 OF 1	REV E