350432-1 Product Details

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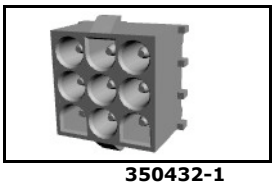

350432-1

TE Internal Number: 350432-1

Active

View 3D PDF

.250" Centerline, 600 V, 19 - 36 A max

Always EU RoHS/ELV Compliant

(Statement of Compliance)

Product Highlights:

- Universal MATE-N-LOK Product Line
- Wire-to-Board
- Applies To Printed Circuit Board
- Connector
- Header

View all Features

Quick Links

- Pricing & Availability
- Search for Tooling
- View Mating Products (2)
- Product Feature Selector
- Contact Us About This Product

Add to My Part List Request Sample Find Similar Products

Buy Product

Documentation & Additional Information

Product Drawings:

- PIN HEADER ASSEMBLY, 9 CIRCUIT, UNIVERSAL MATE-N-LOK (PDF, English)

Catalog Pages/Data Sheets:

- SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- Universal MATE-N-LOK Connectors (PDF, English)

Instruction Sheets:

- Universal MATE-N-LOK Connectors (PDF, English)

CAD Files: (CAD Format & Compression Information)

- 2D Drawing (DXF, Version W)
- 3D Model (IGES, Version W)
- 3D Model (STEP, Version W)

List all Documents

Additional Information:

- Product Line Information

Related Products:

- Tooling
- Mating Products (2)

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

Product Type Features:

- Product Line = Universal MATE-N-LOK
- Product Type = Connector
- Connector Type = Header
- Termination Method to Wire/Cable = Solder
- PCB Mounting Orientation = Vertical
- PCB Mount Retention = Without
- PCB Mount Alignment = Without
- Strain Relief = Without
- Sealed = No
- Termination Method to PC Board = Through Hole - Solder
- UL File Number = E28476
- CSA File Number = LR 7189

Mechanical Attachment:

Housing Features:

- Connector Style = Plug
- Centerline (mm [in]) = 6.35 [0.2499]
- Housing Material = Nylon
- Housing Color = Natural
- UL Flammability Rating = UL 94V-2
- Mating Alignment = With
- Mating Alignment Type = Polarization

Configuration Features:

- Number of Positions = 9
- Number of Rows = 3

Industry Standards:

- Agency/Standard = UL, CSA
- RoHS/ELV Compliance = RoHS compliant, ELV compliant

- Contact Retention = Without
- Mating Retention Type = Positive Lock
- Panel Mount Retention = Without

Electrical Characteristics:
- Contact - Rated Current (A) = 12
- Operating Voltage Reference = AC
- Operating Voltage (VAC) = 600

Termination Features:
- Tail Length (mm [in]) = 3.56 [0.14]

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

Body Features:
- Mating Retention = With
- Row-to-Row Spacing (mm [in]) = 6.35 [0.250]
- Assembly Integration Feature = Without

Contact Features:
- Contact Type = Pin
- Contact Layout = Matrix
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Pre-Tin
- Tail Plating Material = Pre-Tin
- Multiple Contact Types = Without

- Lead Free Solder Processes = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- VDE Tested = Yes
- UL Rating = Recognized
- CSA Rating = Certified

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

Conditions for Usage:
- Applies To = Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire
- For Use With = Mates with Plug Housing (Using Socket Contacts)

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

Packaging Features:
- Packaging Method = Bag
- Packaging Quantity = 100

Other:
- Brand = AMP

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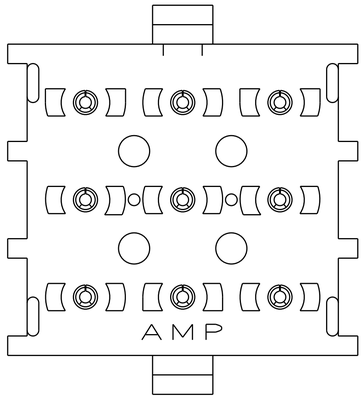
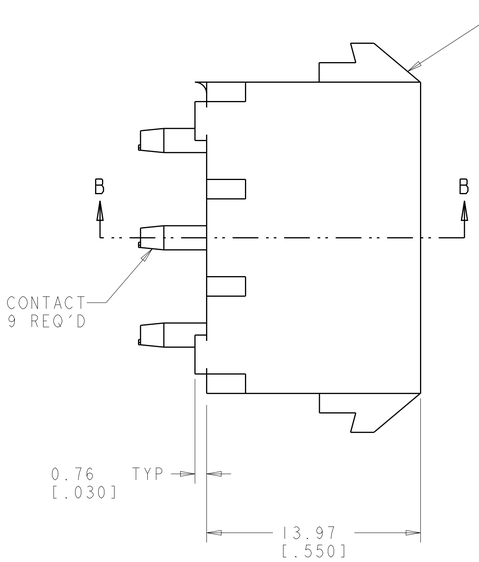
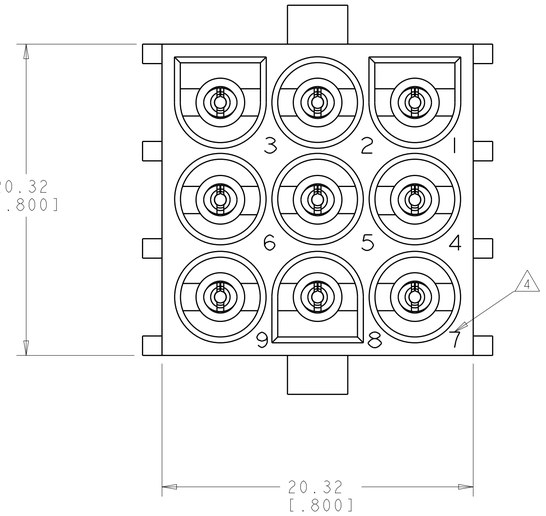
LOC	DIST
CM	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	W2	REVISED PER ECR-12-011660	24JAN2013	KH	TM







1. PARTS COMPLY TO AMP SOLDERABILITY SPECIFICATION 109-11-3.

2. CONTACT IS PLATED OVERALL WITH 0.00127 [.000050] NICKEL, THEN 0.00076 [.000030] GOLD OVER CONTACT LENGTH INDICATED AND TIN LEAD ON SOLDER TAIL END.

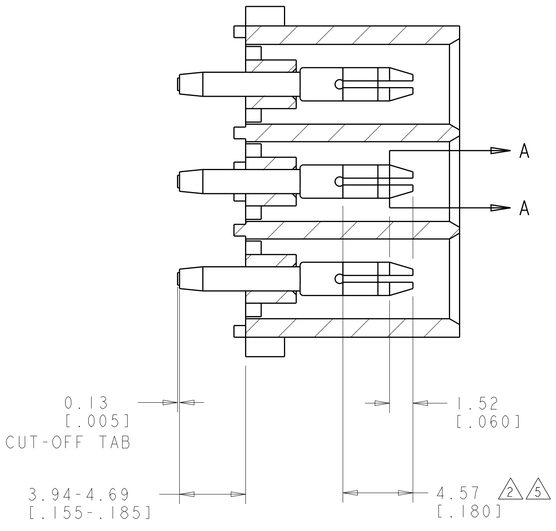
3. MATES WITH HOUSING 480706.

4. CIRCUIT IDENTIFICATION CHARACTERS ARE ADJACENT TO THE INDICATED CAVITIES, BUT LOCATION AND ORIENTATION MAY DIFFER FROM PRINT.

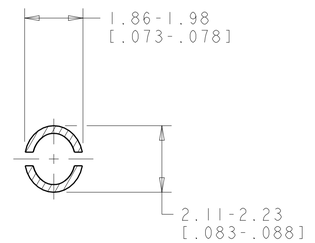
5. CONTACT IS PLATED OVERALL WITH 0.00127 [.000050] NICKEL, THEN 0.00076 [.000030] GOLD OVER CONTACT LENGTH INDICATED AND MATTE TIN ON SOLDER TAIL END.

6. DIMENSIONS IN BRACKETS ARE IN INCHES.

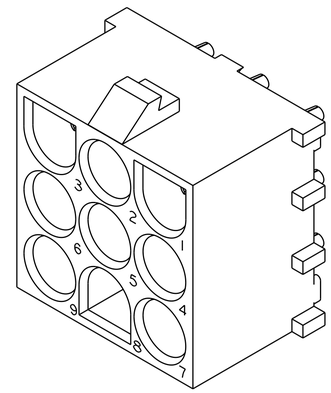
7. SUPERSEDED BY 350432-4



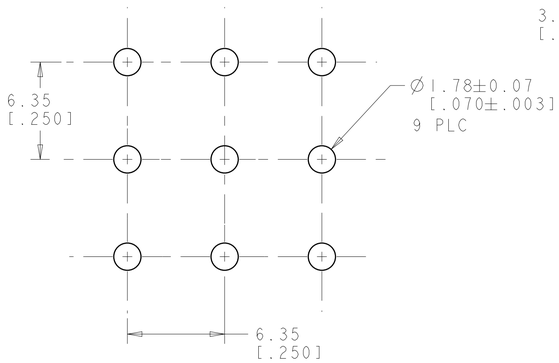
SECTION B-B



SECTION A-A
SCALE 10:1



3 DIMENSIONAL MODEL
SCALE 4:1



RECOMMENDED MOUNTING HOLE PATTERN
FOR 1.57 [.062] THICK P.C. BOARD

PIN CONTACT MATERIAL AND FINISH	HOUSING MATERIAL AND COLOR	PART NUMBER
PHOSPOR BRONZE, GOLD 5	NYLON, UL94V-2, NATURAL	350432-4
7 PHOSPOR BRONZE, GOLD 2	NYLON, UL94V-2, NATURAL	350432-2
PHOSPOR BRONZE, PRE-TIN	NYLON, UL94V-2, NATURAL	350432-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm[INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±0.13[.005]
3 PLC ±-
4 PLC ±-
ANGLES ±0°30'

MATERIAL SEE TABLE -
FINISH SEE TABLE -

METRIC

DWN	K. WHITAKER 19JULY2005
CHK	S. RIDGILL 19JULY2005
APVD	S. RIDGILL 19JULY2005
PRODUCT SPEC	-
APPLICATION SPEC	-
WEIGHT	-

TE Connectivity

NAME: PIN HEADER ASSEMBLY, 9 CIRCUIT, UNIVERSAL MATE-N-LOK TM

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-350432	-

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV W2