



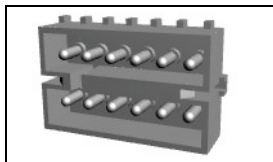
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350213-1 Product Details

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350213-1

TE Internal Number: 350213-1

Active

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.200" Centerline, 250 V, 13 A max.

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

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

[View all Features](#)

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Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • HEADER ASSEMBLY, 12 CIRCUIT, COMMERCIAL MATE-N-LOK(TM) (PDF, English) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY (PDF, English) <p>Product Specifications:</p> <ul style="list-style-type: none"> • Commercial MATE-N-LOK Printed Circuit Board Headers (PDF, English) <p>Application Specifications:</p> <ul style="list-style-type: none"> • Commercial MATE-N-LOK Pin And Socket Contacts (PDF, English) • MATE-N-LOK Commercial Pin and Socket Contacts (PDF, Japanese) <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • None Available <p>CAD Files: (CAD Format & Compression Information)</p> <ul style="list-style-type: none"> • 2D Drawing (DXF, Version R) • 3D Model (IGES, Version R) • 3D Model (STEP, Version R) 	<p>Additional Information:</p> <ul style="list-style-type: none"> • Product Line Information <p>Related Products:</p> <ul style="list-style-type: none"> • Tooling • Mating Products (1)

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)	
<p>Product Type Features:</p> <ul style="list-style-type: none"> • Product Line = Commercial MATE-N-LOK • Product Type = Connector • Connector Type = Header • PCB Mounting Orientation = Vertical • Sealed = No • UL File Number = E28476 • CSA File Number = LR 16455 <p>Mechanical Attachment:</p> <ul style="list-style-type: none"> • Mating Retention Type = Positive Lock <p>Electrical Characteristics:</p> <ul style="list-style-type: none"> • Contact - Rated Current (A) = 12 • Operating Voltage Reference = AC • Operating Voltage (VAC) = 250 <p>Termination Features:</p> <ul style="list-style-type: none"> • Termination Method to PC Board = Through Hole - Solder <p>Dimensions:</p> <ul style="list-style-type: none"> • PCB Thickness, Recommended (mm [in]) = 1.57 [0.062] • Tail Length (mm [in]) = 3.81 [0.149] <p>Body Features:</p> <ul style="list-style-type: none"> • Row-to-Row Spacing (mm [in]) = 9.14 [0.360] • Mating Retention = With 	<p>Housing Features:</p> <ul style="list-style-type: none"> • Housing Color = Natural • Centerline (mm [in]) = 4.95 [0.195] • Mating Alignment = With • Mating Alignment Type = Polarization • Housing Material = Nylon • UL Flammability Rating = UL 94V-0 <p>Configuration Features:</p> <ul style="list-style-type: none"> • Number of Positions = 12 • Number of Rows = 2 <p>Industry Standards:</p> <ul style="list-style-type: none"> • RoHS/ELV Compliance = RoHS compliant, ELV compliant • Lead Free Solder Processes = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C • RoHS/ELV Compliance History = Always was RoHS compliant • VDE Tested = No • Agency/Standard = UL, CSA • UL Rating = Recognized, Certified <p>Environmental:</p> <ul style="list-style-type: none"> • Operating Temperature (°C [°F]) = -55 - +105 [-67 - +221] <p>Conditions for Usage:</p> <ul style="list-style-type: none"> • Applies To = Printed Circuit Board • For Use With = Socket (Plug) Housing

Contact Features:

- Contact Type = Pin
- Contact Plating, Mating Area, Material = Pre-Tin
- Contact Diameter (mm [in.]) = 2.13 [0.084]
- Contact Base Material = Copper Alloy
- Contact Layout = Dual Row

Operation/Application:

- Application Use = Wire-to-Board

Packaging Features:

- Packaging Method = Bag
- Packaging Quantity = 100

Other:

- Brand = AMP

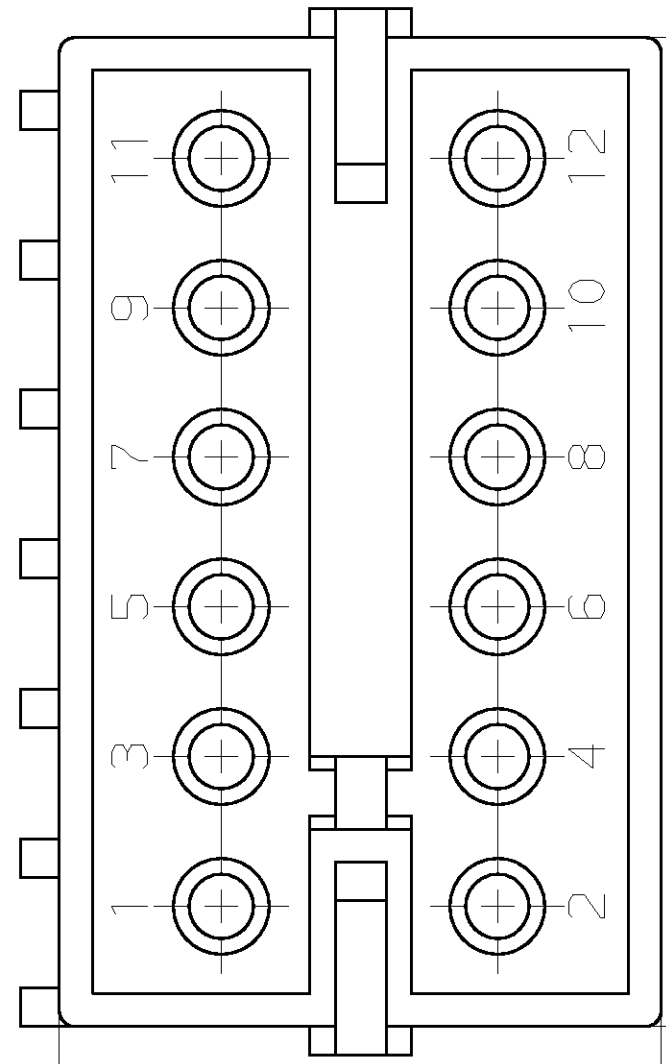
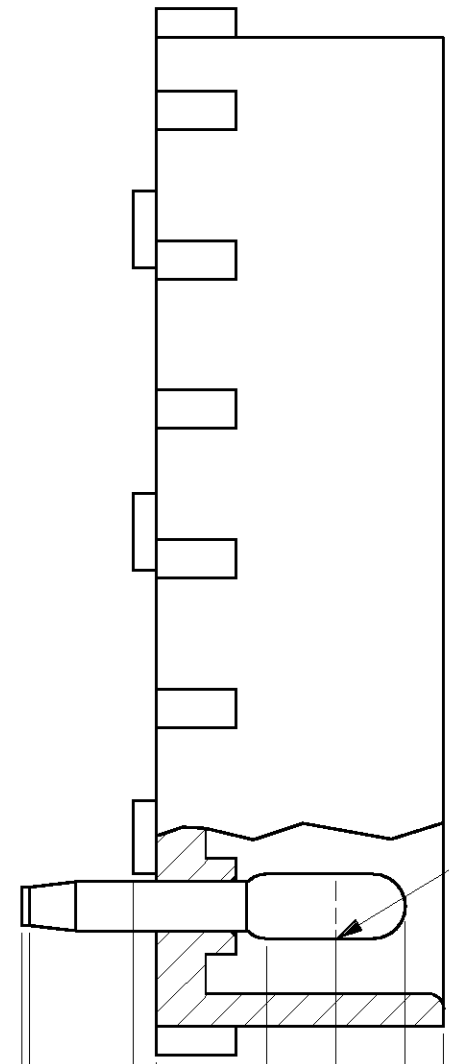
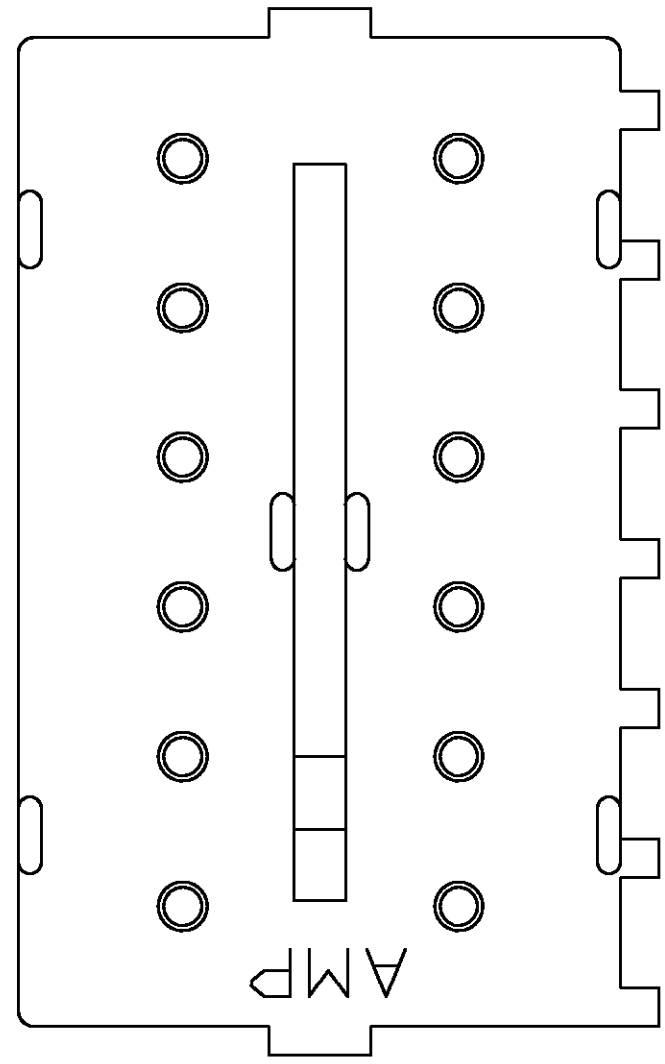
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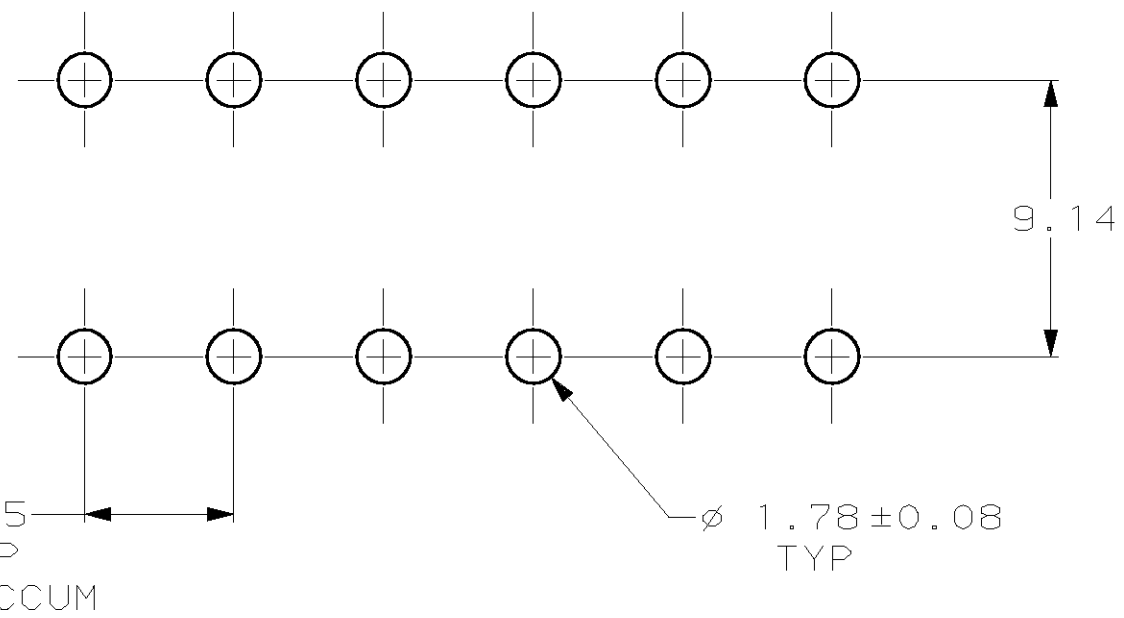
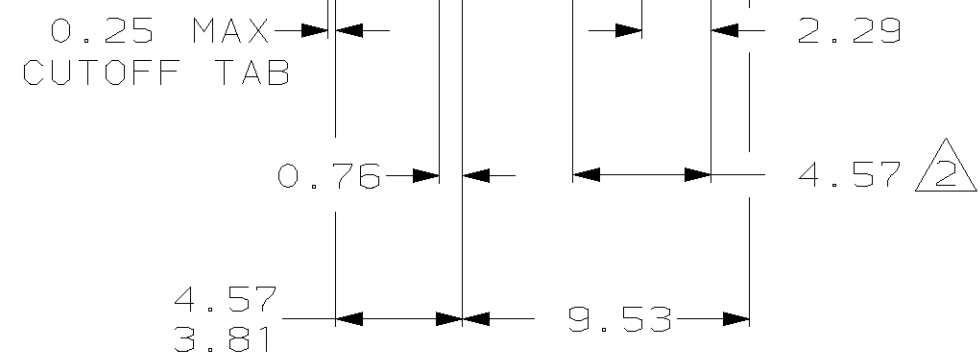
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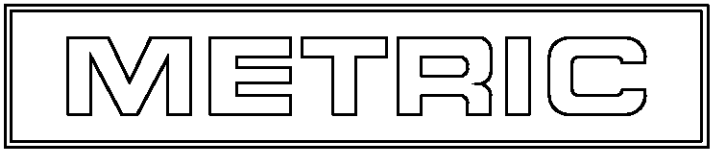
LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
CM	53	R	REVISED PER EC 063B-0151-99	10-APR-00	KW SR



- PARTS COMPLY WITH AMP SOLDERABILITY SPEC 109-11-2.
- CONTACT IS PLATED OVERALL WITH 0.00127 NICKEL, THEN 0.00076 GOLD OVER LENGTH INDICATED AND MATTE TIN ON SOLDER TAIL END.



RECOMMENDED MOUNTING HOLE PATTERN FOR .062 THICK P.C. BOARD



2.29	.090	-	-
1.78	.070	32.77	1.290
0.76	.030	19.94	.785
0.25	.010	9.53	.375
0.13	.005	9.14	.360
0.08	.003	4.95	.195
0.00127	.000050	4.57	.180
0.00076	.000030	3.81	.150
MM	IN	MM	IN

CONVERSION TABLE

MATERIAL	FINISH	MATERIAL	COLOR	PART NO
CU ALLOY	\triangle	NYLON, UL94V-0	NATURAL	350213-2
CU ALLOY	PRE-TIN	NYLON, UL94V-0	NATURAL	350213-1

PIN		HOUSING		PART NO
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	10-APR-2000	AMP AMP Incorporated Harrisburg, PA 17105-3608
		CHK	10-APR-2000	
		APVD	10-APR-2000	
		NAME	S. RIDGILL	
DIMENSIONS: mm		PRODUCT SPEC		NAME
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC		SIZE
0 PLC ±-		-		CAGE CODE
1 PLC ±-		-		DRAWING NO
2 PLC ±0.13		-		RESTRICTED TO
3 PLC ±-		-		WEIGHT
4 PLC ±-		-		SCALE
ANGLES ±-		-		SHEET
FINISH		-		OF
MATERIAL	SEE TABLE	FINISH		REV
		WEIGHT		R
		CUSTOMER DRAWING		

350213