5499141-6 Product Details

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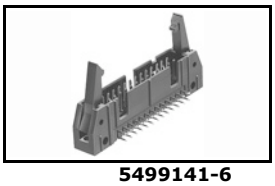

5499141-6

TE Internal Number: 5499141-6

Active

View 3D PDF

AMP-LATCH Pin and Pinless Headers

Always EU RoHS/ELV Compliant

(Statement of Compliance)

Product Highlights:

- Header
- Header Type = Universal Ejection Pin Headers
- AMP-LATCH Product Line
- Standard Profile
- 26 Positions

View all Features

Quick Links

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

Add to My Part List Request Sample Find Similar Products

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Documentation & Additional Information

Product Drawings:

- HEADER ASSY, UNIVERSAL, AMP-LATCH (PDF, English)

Catalog Pages/Data Sheets:

- Ribbon Cable Interconnect Solutions (PDF, English)

Product Specifications:

- AMP-LATCH and IDC Header Connectors, .100 x .100 Inc... (PDF, English)

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

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

List all Documents

Additional Information:

- Product Line Information

Related Products:

- Tooling
- Mating Products (5)

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

Product Type Features:

- Connector Type = Header
- Product Line = AMP-LATCH
- Profile = Standard
- PCB Mounting Orientation = Right Angle
- PCB Mount Retention = Without
- Mating Connector Lock = With
- Ejection Latches = With
- Post Size (mm [in]) = 0.64 [.025]
- Latch Type = Long
- Mating Connector Lock Type = Latch

Termination Features:

- Termination Post Length (mm [in]) = 2.79 [0.110]

Dimensions:

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

Housing Features:

- Centerline, Matrix (mm [in]) = 2.54 x 2.54 [.100 x .100]
- Mating Alignment Type = Center, Dual Polarizing Bar, Military
- Housing Style = 4-Sided
- Mating Alignment = With
- Housing Material = Polyester - GF
- Housing Color = Black

Configuration Features:

- Number of Positions = 26
- Shrouded = Yes

Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant

[0.062]

Body Features:
- Header Type = Universal Ejection Pin Headers

Contact Features:
- Contact Plating, Mating Area, Material = Gold (30)
- Contact Shape = Square
- Solder Tail Contact Plating = Tin

- 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
- UL Flammability Rating = UL 94V-0

Conditions for Usage:
- Temperature Rating = Standard

Other:
- Brand = AMP

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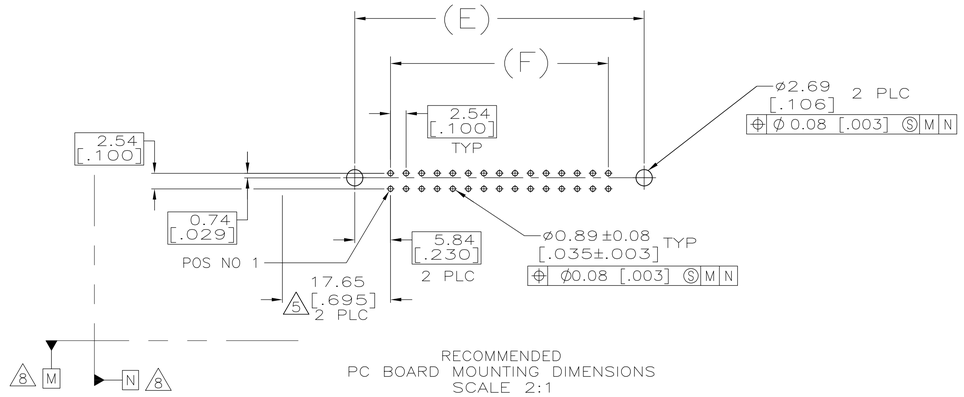
LOC	DIST
GP	00

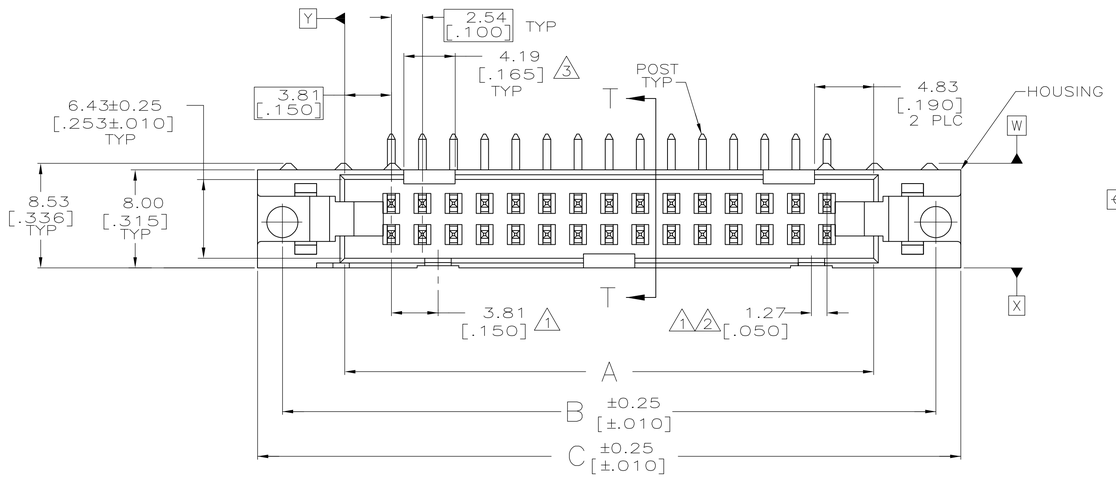
REVISIONS

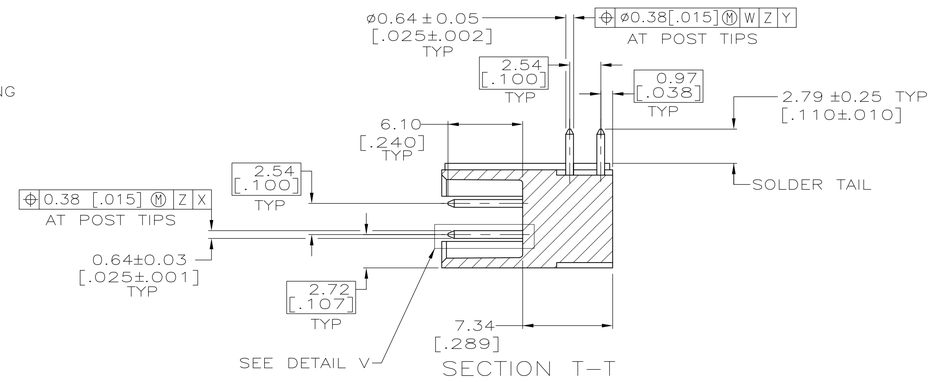
P	LTR	DESCRIPTION	DATE	DWN	APVD
	F1	REVISED PER ECO-11-004835	11MAR11	RK	HMR



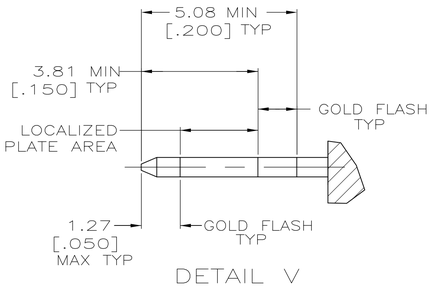
RECOMMENDED
PC BOARD MOUNTING DIMENSIONS
SCALE 2:1

EJECTION LATCHES OMITTED IN
THIS VIEW FOR CLARITY

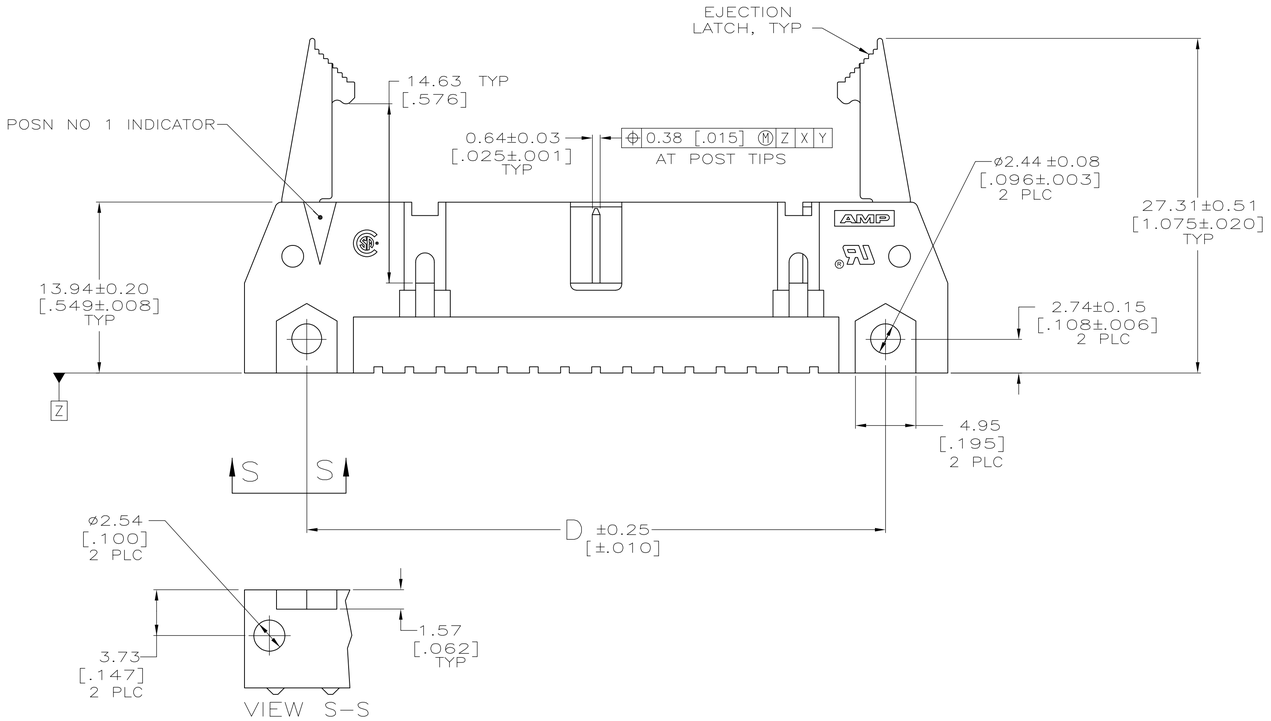




SECTION T-T



DETAIL V
SCALE 10:1



VIEW S-S

SEE SHEET 2 FOR TABLE & NOTES

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 ± –

MATERIAL 6

FINISH 7

DWN	L. VARELA – DOCK5 01-07-05
CHK	S. BOLASH 01-07-05
APVD	M. WALMSLEY 01-07-05
PRODUCT SPEC	108-40018
APPLICATION SPEC	–
WEIGHT	–

TE Connectivity

NAME: HEADER ASSY, UNIVERSAL, AMP-LATCH –

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-5499141	–

CUSTOMER DRAWING	SCALE 4:1	SHEET 1 OF 2	REV F1

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LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–

1. COORDINATE DIMENSION APPLIES FROM BASIC LOCATION.
2. 10 AND 14 POSITION SIZES CONTAIN ONLY ONE SLOT FOR SNAP–IN POLARIZER (MILITARY POLARIZATION) LOCATED AS SHOWN.
3. 10 POSITION SIZES CONTAIN ONLY ONE SLOT FOR DUAL POLARIZATION, LOCATED AS SHOWN.
4. RECOMMENDED PRINTED CIRCUIT BOARD THICKNESS IS 1.57 [.062].
5. DISTANCE REQUIRED BY EJECTION LATCHES IN THE OPEN POSITION.
6. HOUSING & LATCHES: GLASS FILLED NYLON OR POLYESTER, UL94V–0 RATED, SEE TABLE FOR COLOR. POSTS: BRASS.
7. POSTS: GOLD FLASH OVER PALLADIUM–NICKEL PLATE, 0.76µm[.000030] MIN TOTAL ON THE LOCALIZED PLATE AREA, 2.54µm[.000100] MIN TIN PLATE ON THE SOLDER–TAIL, 1.27µm[.000050] MIN NICKEL UNDERPLATE ON THE ENTIRE POST.
   –OR–
   0.76µm[.000030] MIN GOLD PLATE ON THE LOCALIZED PLATE AREA, 2.54µm[.000100] MIN TIN PLATE ON THE SOLDER–TAIL, 1.27µm[.000050] MIN NICKEL UNDERPLATE ON THE ENTIRE POST.
8. DATUMS M & N TO BE ESTABLISHED BY CUSTOMER.

	HOUSING AND LATCHES COLOR	F	E	D	C	B	A	NO OF POSN	PART NUMBER
	BLUE	53.34 [2.100]	65.02 [2.560]	65.02 [2.560]	75.18 [2.960]	71.12 [2.800]	60.96 [2.400]	44	3–5499141–3
	BLUE	78.74 [3.100]	90.42 [3.560]	90.42 [3.560]	100.58 [3.960]	96.52 [3.800]	86.36 [3.400]	64	3–5499141–2
OBSOLETE	BLUE	73.66 [2.900]	85.34 [3.360]	85.34 [3.360]	95.50 [3.760]	91.44 [3.600]	81.28 [3.200]	60	3–5499141–1
	BLUE	60.96 [2.400]	72.64 [2.860]	72.64 [2.860]	82.80 [3.260]	78.74 [3.100]	68.58 [2.700]	50	3–5499141–0
OBSOLETE	BLUE	48.26 [1.900]	59.94 [2.360]	59.94 [2.360]	70.10 [2.760]	66.04 [2.600]	55.88 [2.200]	40	2–5499141–9
	BLUE	40.64 [1.600]	52.32 [2.060]	52.32 [2.060]	62.48 [2.460]	58.42 [2.300]	48.26 [1.900]	34	2–5499141–8
	BLUE	30.48 [1.200]	42.16 [1.660]	42.16 [1.660]	52.32 [2.060]	48.26 [1.900]	38.10 [1.500]	26	2–5499141–6
	BLUE	22.86 [.900]	34.54 [1.360]	34.54 [1.360]	44.70 [1.760]	40.64 [1.600]	30.48 [1.200]	20	2–5499141–4
	BLUE	17.78 [.700]	29.46 [1.160]	29.46 [1.160]	39.62 [1.560]	35.56 [1.400]	25.40 [1.000]	16	2–5499141–3
	BLUE	15.24 [.600]	26.92 [1.060]	26.92 [1.060]	37.08 [1.460]	33.02 [1.300]	22.86 [.900]	14	2–5499141–2
	BLUE	10.16 [.400]	21.84 [.860]	21.84 [.860]	32.00 [1.260]	27.94 [1.100]	17.78 [.700]	10	2–5499141–1
	BLACK	78.74 [3.100]	90.42 [3.560]	90.42 [3.560]	100.58 [3.960]	96.52 [3.800]	86.36 [3.400]	64	1–5499141–2
	BLACK	73.66 [2.900]	85.34 [3.360]	85.34 [3.360]	95.50 [3.760]	91.44 [3.600]	81.28 [3.200]	60	1–5499141–1
	BLACK	60.96 [2.400]	72.64 [2.860]	72.64 [2.860]	82.80 [3.260]	78.74 [3.100]	68.58 [2.700]	50	1–5499141–0
	BLACK	48.26 [1.900]	59.94 [2.360]	59.94 [2.360]	70.10 [2.760]	66.04 [2.600]	55.88 [2.200]	40	5499141–9
	BLACK	40.64 [1.600]	52.32 [2.060]	52.32 [2.060]	62.48 [2.460]	58.42 [2.300]	48.26 [1.900]	34	5499141–8
	BLACK	35.56 [1.400]	47.24 [1.860]	47.24 [1.860]	57.40 [2.260]	53.34 [2.100]	43.18 [1.700]	30	5499141–7
	BLACK	30.48 [1.200]	42.16 [1.660]	42.16 [1.660]	52.32 [2.060]	48.26 [1.900]	38.10 [1.500]	26	5499141–6
	BLACK	27.94 [1.100]	39.62 [1.560]	39.62 [1.560]	49.78 [1.960]	45.72 [1.800]	35.56 [1.400]	24	5499141–5
	BLACK	22.86 [.900]	34.54 [1.360]	34.54 [1.360]	44.70 [1.760]	40.64 [1.600]	30.48 [1.200]	20	5499141–4
	BLACK	17.78 [.700]	29.46 [1.160]	29.46 [1.160]	39.62 [1.560]	35.56 [1.400]	25.40 [1.000]	16	5499141–3
	BLACK	15.24 [.600]	26.92 [1.060]	26.92 [1.060]	37.08 [1.460]	33.02 [1.300]	22.86 [.900]	14	5499141–2
	BLACK	10.16 [.400]	21.84 [.860]	21.84 [.860]	32.00 [1.260]	27.94 [1.100]	17.78 [.700]	10	5499141–1

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MATERIAL: SEE SHEET 1
FINISH: SEE SHEET 1

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CUSTOMER DRAWING | SCALE 1:1 | SHEET 2 OF 2 | REV F1