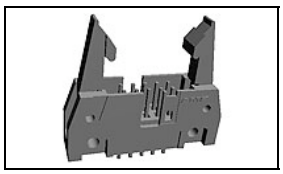
5499910-2 Product Details



5499910-2

TE Internal Number: 5499910-2

Active

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
- 14 Positions

Documentation & Additional Information

Product Drawings:
- HEADER ASSY, UNIVERSAL, AMP-LATCH (PDF, English)

Catalog Pages/Data Sheets:
- 7-1773458-6_AMPLATCH_QRG (PDF, English)
- 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 A)
- 3D Model (IGES, Version A)
- 3D Model (STEP, Version A)

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 = Vertical
- PCB Mount Retention = Without
- Mating Connector Lock = With
- Ejection Latches = With
- Post Size (mm [in]) = 0.64 [.025]
- Shrouded = Yes
- Latch Type = Short
- Mating Connector Lock Type = Latch

Termination Features:
- Termination Post Length (mm [in]) = 2.79 [0.110]
- Solder Tail Contact Plating = Tin

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

Body Features:
- Header Type = Universal Ejection Pin Headers

Contact Features:
- Contact Plating, Mating Area, Material = Gold (15)
- Contact Shape = Square

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 = Thermoplastic - GF
- UL Flammability Rating = UL 94V-0
- Housing Color = Black

Configuration Features:
- Number of Positions = 14

Industry Standards:
- 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

Conditions for Usage:
- Temperature Rating = Standard

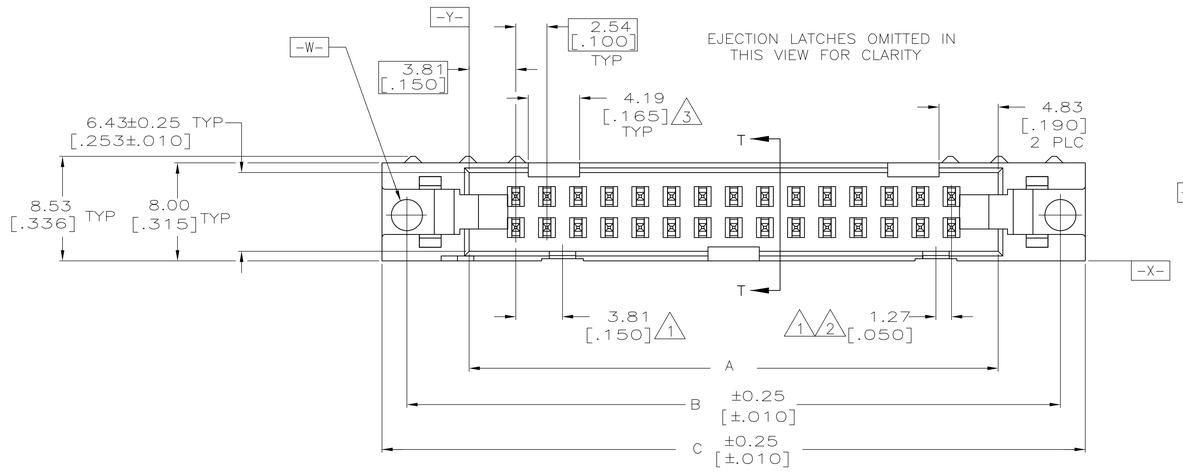
Other:
- Brand = AMP
- Comment = Pin headers in 10- and 14-position sizes have only one slot for snap-in polarizer (military polarization), located as shown.

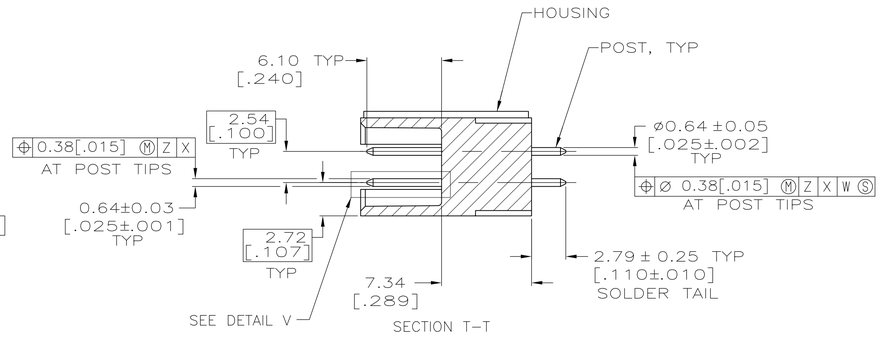
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION -,- .
© COPYRIGHT - By - ALL RIGHTS RESERVED.

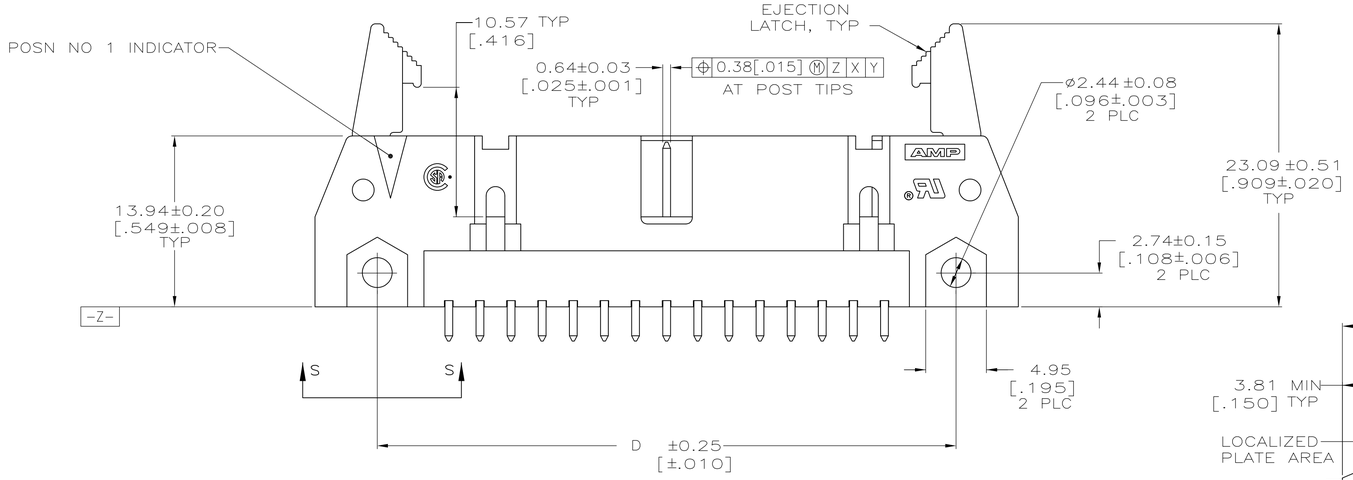
LOC	DIST
GP	00

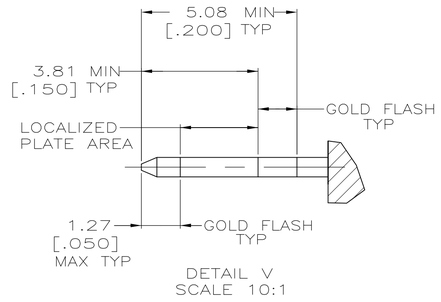
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	C1	REVISED PER ECO-11-004835	11MAR11	RK	HMR

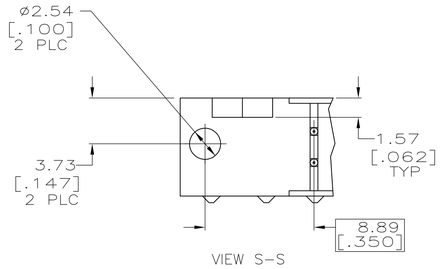




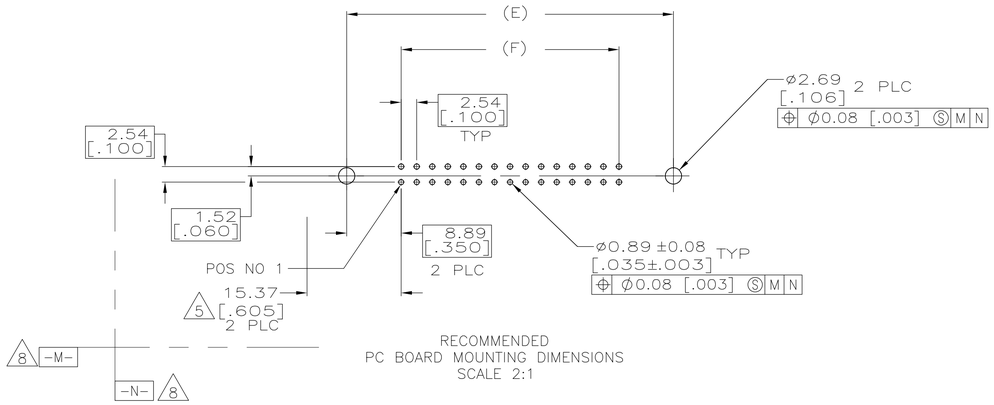




DETAIL V
SCALE 10:1



VIEW S-S



RECOMMENDED
PC BOARD MOUNTING DIMENSIONS
SCALE 2:1

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, BLACK. POSTS: PHOS BRONZE OR BRASS.
7. POSTS:
   GOLD FLASH OVER PALLADIUM-NICKEL PLATE, 0.38µm [.000015] 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
   0.38µm [.000015] 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.

	F	E	D	C	B	A	NO OF POSN	PART NUMBER
OBSOLETE	78.74 [3.100]	96.52 [3.800]	90.42 [3.560]	100.58 [3.960]	96.52 [3.800]	86.36 [3.400]	64	1-5499910-2
OBSOLETE	73.66 [2.900]	91.44 [3.600]	85.34 [3.360]	95.50 [3.760]	91.44 [3.600]	81.28 [3.200]	60	1-5499910-1
	60.96 [2.400]	78.74 [3.100]	72.64 [2.860]	82.80 [3.260]	78.74 [3.100]	68.58 [2.700]	50	1-5499910-0
	48.26 [1.900]	66.04 [2.600]	59.94 [2.360]	70.10 [2.760]	66.04 [2.600]	55.88 [2.200]	40	5499910-9
	40.64 [1.600]	58.42 [2.300]	52.32 [2.060]	62.48 [2.460]	58.42 [2.300]	48.26 [1.900]	34	5499910-8
	35.56 [1.400]	53.34 [2.100]	47.24 [1.860]	57.40 [2.260]	53.34 [2.100]	43.18 [1.700]	30	5499910-7
	30.48 [1.200]	48.26 [1.900]	42.16 [1.660]	52.32 [2.060]	48.26 [1.900]	38.10 [1.500]	26	5499910-6
	27.94 [1.100]	45.72 [1.800]	39.62 [1.560]	49.78 [1.960]	45.72 [1.800]	35.56 [1.400]	24	5499910-5
	22.86 [.900]	40.64 [1.600]	34.54 [1.360]	44.70 [1.760]	40.64 [1.600]	30.48 [1.200]	20	5499910-4
	17.78 [.700]	35.56 [1.400]	29.46 [1.160]	39.62 [1.560]	35.56 [1.400]	25.40 [1.000]	16	5499910-3
	15.24 [.600]	33.02 [1.300]	26.92 [1.060]	37.08 [1.460]	33.02 [1.300]	22.86 [.900]	14	5499910-2
	10.16 [.400]	27.94 [1.100]	21.84 [.860]	32.00 [1.260]	27.94 [1.100]	17.78 [.700]	10	5499910-1

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 ± -

MATERIAL 6
FINISH 7

DWN	L. VARELA - DOCK5 01-11-05
CHK	S. BOLASH 01-11-05
APVD	M. WALMSLEY 01-11-05
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-5499910	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 1 | REV C1