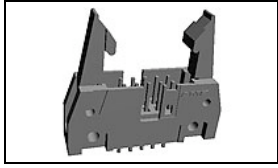# 5499374-4 Product Details

5499374-4

TE Internal Number: 5499374-4

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
- 20 Positions

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 C) • 3D Model (IGES, Version C) • 3D Model (STEP, Version C)	**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]) = 3.94 [0.155]
- Solder Tail Contact Plating = Tin

Dimensions:
- PCB Thickness, Recommended (mm [in]) = 3.18 [0.125]

Body Features:
- Header Type = Universal Ejection Pin Headers

Contact Features:
- Contact Plating, Mating Area, Material = Gold (30)
- 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 = 20

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- 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

Conditions for Usage:
- Temperature Rating = Standard

Other:
- Brand = AMP

LOC	DIST			REVISIONS			
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			D1	REVISED PER ECO-11-004835	11MAR11	RK	HMR

EJECTION LATCHES OMITTED IN
THIS VIEW FOR CLARITY

-Y-
-W-

6.43±0.25 TYP
[.253±.010]

3.81
[.150]

2.54
[.100]
TYP

4.19
[.165] △3
TYP

4.83
[.190]
2 PLC

TYP 8.00 TYP
[.315]

8.53
[.336]

3.81 △1
[.150]

△1 △2 1.27
[.050]

A

B ±0.25
[±.010]

C ±0.25
[±.010]

-X-

HOUSING
POST, TYP

6.10 TYP
[.240]

2.54
[.100]
TYP

⌀0.64±0.05
[.025±.002]
TYP

⊕ 0.38[.015] Ⓜ Z X
AT POST TIPS

0.64±0.03
[.025±.001]
TYP

2.72
[.107]
TYP

7.34
[.289]

SEE DETAIL V

⊕ ⌀ 0.38[.015] Ⓜ Z X W Ⓢ
AT POST TIPS

3.94 ±0.25 TYP
[.155±.010]
SOLDER TAIL

SECTION T-T

POSN NO 1 INDICATOR

10.57 TYP
[.416]

0.64±0.03
[.025±.001]
TYP

⊕ 0.38[.015]Ⓜ Z X Y
AT POST TIPS

EJECTION
LATCH, TYP

⌀2.44±0.08
[.096±.003]
2 PLC

AMP

23.09 ±0.51
[.909±.020]
TYP

13.94±0.20
[.549±.008]
TYP

-Z-

2.74±0.15
[.108±.006]
2 PLC

S   S

4.95
[.195]
2 PLC

D ±0.25
[±.010]

5.08 MIN
[.200] TYP

3.81 MIN
[.150] TYP

GOLD FLASH
TYP

LOCALIZED
PLATE AREA

1.27
[.050]
MAX TYP

GOLD FLASH
TYP

DETAIL V
SCALE 10:1

⌀2.54
[.100]
2 PLC

1.57
[.062]
TYP

3.73
[.147]
2 PLC

8.89
[.350]

VIEW S-S

(E)
(F)

2.54
[.100]
TYP

⌀2.69 2 PLC
[.106]

⊕ ⌀0.08 [.003] Ⓢ M N

2.54
[.100]

1.52
[.060]

8.89
[.350]

POS NO 1

⌀0.89 ±0.08 TYP
[.035±.003]
2 PLC

⊕ ⌀0.08 [.003] Ⓢ M N

△5 15.37
[.605]
2 PLC

△8 -M-

-N- △8

RECOMMENDED
PC BOARD MOUNTING DIMENSIONS
SCALE 2:1

SEE SHEET 2 FOR TABLE & NOTES

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN	01-07-05					
	L. VAERELA – DOCK5		≡TE	TE Connectivity			
	CHK	01-07-05					
DIMENSIONS:	S. BOLASH						
mm [INCHES]	APVD	01-07-05					
	M. WALMSLEY	NAME					
	PRODUCT SPEC		HEADER ASSY, UNIVERSAL,				
0 PLC ± –	108-40018		AMP-LATCH				
1 PLC ± –	APPLICATION SPEC		–				
2 PLC ± 0.13[.005]	–						
3 PLC ± –			SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
4 PLC ± –			A1	00779	C-5499374		–
ANGLES ± –							
MATERIAL	FINISH	WEIGHT					
△6	△7	–	SCALE 4:1	SHEET 1 OF 2	REV D1		
		CUSTOMER DRAWING					

4805 (3/11)

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 3.18 [.125].

5. DISTANCE REQUIRED BY EJECTION LATCHES IN THE OPEN POSITION.

6. MATERIAL: HOUSING & LATCHES: GLASS FILLED NYLON OR POLYESTER, UL94V−O RATED, SEE TABLE FOR COLOR. POSTS: PH BRZ OR 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	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	3-5499374-2
	BLUE	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	3-5499374-1
	BLUE	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	3-5499374-0
OBSOLETE	BLUE	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	2-5499374-9
	BLUE	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	2-5499374-8
OBSOLETE	BLUE	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	2-5499374-6
OBSOLETE	BLUE	22.86 [.900]	40.64 [1.600]	34.54 [1.360]	44.70 [1.760]	40.64 [1.600]	30.48 [1.200]	20	2-5499374-4
	BLUE	17.78 [.700]	35.56 [1.400]	29.46 [1.160]	39.62 [1.560]	35.56 [1.400]	25.40 [1.000]	16	2-5499374-3
OBSOLETE	BLACK	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	1-5499374-1
	BLACK	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	1-5499374-0
	BLACK	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	5499374-9
	BLACK	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	5499374-8
	BLACK	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	5499374-6
	BLACK	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	5499374-5
	BLACK	22.86 [.900]	40.64 [1.600]	34.54 [1.360]	44.70 [1.760]	40.64 [1.600]	30.48 [1.200]	20	5499374-4
OBSOLETE	BLACK	17.78 [.700]	35.56 [1.400]	29.46 [1.160]	39.62 [1.560]	35.56 [1.400]	25.40 [1.000]	16	5499374-3
	BLACK	15.24 [.600]	33.02 [1.300]	26.92 [1.060]	37.08 [1.460]	33.02 [1.300]	22.86 [.900]	14	5499374-2
	BLACK	10.16 [.400]	27.94 [1.100]	21.84 [.860]	32.00 [1.260]	27.94 [1.100]	17.78 [.700]	10	5499374-1