

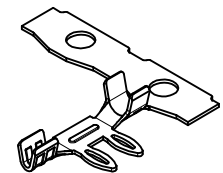
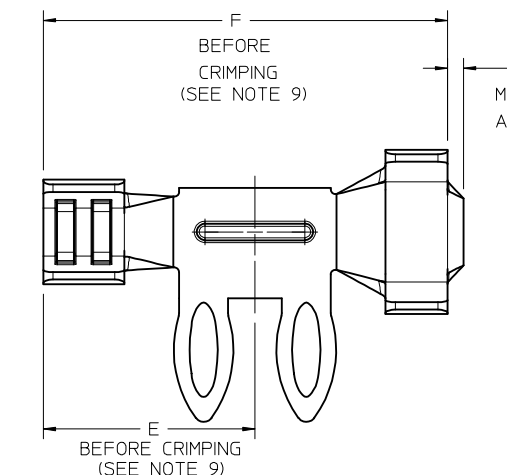
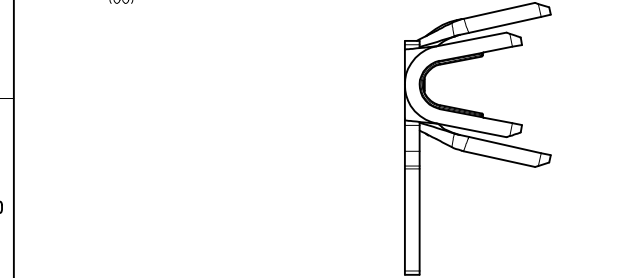
10		9		8		7		6		5		4		3		2		1	
MATERIAL NUMBER		MATERIAL	PLATING	COND SIZE		INS DIA RANGE (SEE NOTE 8)		MAX PCB THICKNESS (SEE NOTE 8)		A	B	C	D	E	F				
172249-0100		BRASS	RMT	14-16 AWG		2.40-2.79 (UL 1007)		1.57 / .062"		3.40	3.55	4.20	3.65	4.33	8.27				
172249-0200		BRASS	RMT	18-20 AWG		1.80-2.10 (UL 1007)		1.57 / .062"		2.14	2.40	3.36	2.99	4.33	8.27				

LEGEND: 172249-WXYZ

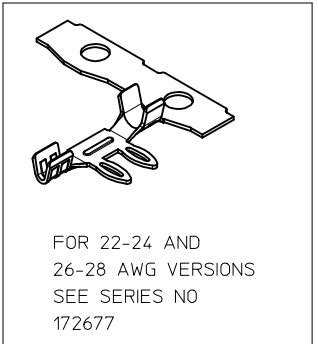
W = PLATING
(0 = REFLOWED MATTE TIN)

X = CRIMP SIZE
(1 = 14-16 AWG, (UL1007) INSUL / .062" PCB)
(2 = 18-20 AWG, (UL1007) INSUL / .062" PCB)

YZ = NOT USED
(00)

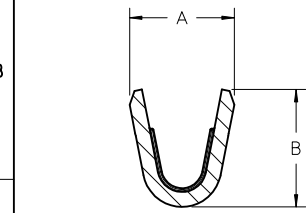


ISOMETRIC VIEW
SERIES 172249

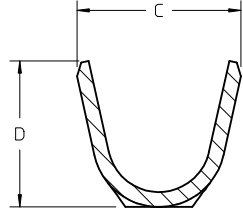


FOR 22-24 AND
26-28 AWG VERSIONS
SEE SERIES NO
172677

- NOTES:
1. MATERIAL: BRASS
 2. FINISH:
RMT = OVERALL REFLOWED MATTE TIN, 0.00152mm / .000060 inches MIN OVER 0.00127 mm / .000050 inches MIN NICKEL, OVERALL
 3. PRODUCT SPECIFICATION: PS-172249-001
 4. PACKAGING INFORMATION: PK-172249-001
(24" CARDBOARD REEL)
 5. MATES WITH: N/A (FOR SOLDERING TO PCB)
 6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.
 7. TERMINAL DESIGNED FOR THRU-HOLE SOLDERING, NOT FOR PRESS-FIT. INTERFERENCE FIT PROVIDES RETENTION OF TERMINAL TO BOARD DURING SOLDERING ONLY.
 8. INSULATION DIAMETER RANGES AND MAX PCB THICKNESS SHOWN ARE GUIDELINES TO PRODUCE 0.50mm / (0.020 inches) OR MORE SOLDER-TAIL PROTRUSION.
 9. CRIMPING PROCESS CAUSES TERMINAL GROWTH OF APPROXIMATELY 1.0mm / (0.04 inches).
 10. INCLUDING TERMINAL GROWTH AND WIRE BRUSH LENGTH.



SECTION V-V
CONDUCTOR CRIMP

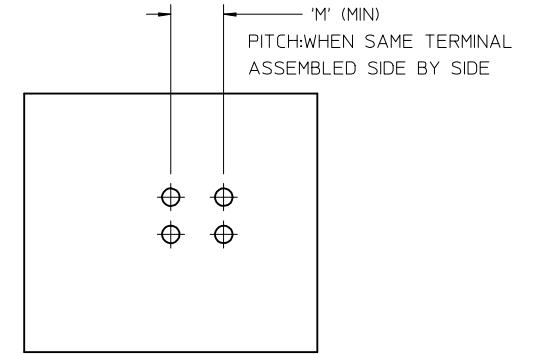
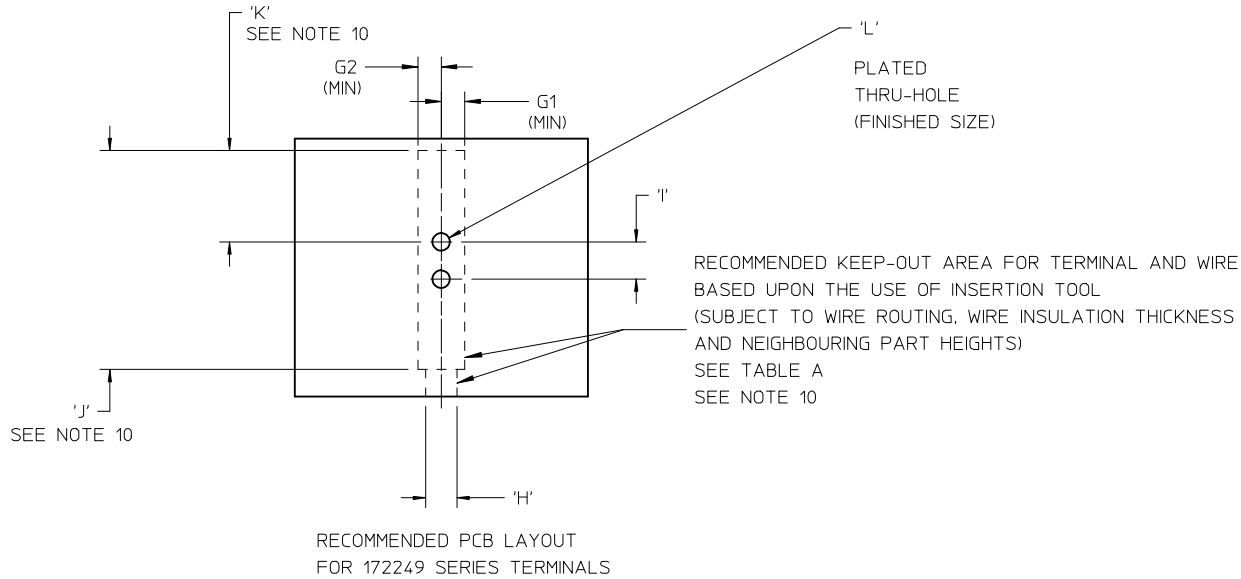


SECTION W-W
INSULATION CRIMP

KEEP OUT AREA DIM'S CHANGED EC NO: UCP2015-0803 DRWN:SS06 CHKD: APPR:RHODGE REV	DESCRIPTION 2014/08/25 2014/09/12	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION ⊙ □					
				mm	INCH	DRAWN BY ISHWARG	DATE 2013/10/19	TITLE 14-20 AWG SOLDER RIGHT TERMINAL						
			4 PLACES	± ---	± ---	CHECKED BY	DATE							
			3 PLACES	± ---	± ---	APPROVED BY RHODGE		DATE 2013/11/19		molex				
			2 PLACES	± 0.25	± ---									
			1 PLACE	± 0.35	± ---									
			0 PLACE	± ---	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
			ANGULAR ±1/2°			SEE CHART		SD-172249-001		1 OF 2				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

TABLE A

MATERIAL NUMBER	KEEP OUT ZONE 1: WHEN THE NEIGHBOUR PARTS HEIGHT IS LESS THAN 4.0MM		KEEP OUT ZONE 2: WHEN THE NEIGHBOUR PARTS HEIGHT IS MORE THAN 4.0 MM AND LESS THAN 30.0 MM							PITCH (WHEN SAME TERMINAL ASSEMBLED SIDE BY SIDE)
	G1	G2	G1	G2	H	I ±0.08	J	K	L ø±0.05	'M' (MIN)
172249-0100	2.50	5.40	4.75	7.90	4.29	2.10	10.00	4.75	1.10	6.00
172249-0200	2.50	5.25	4.75	7.85	3.60	2.10	10.00	4.75	1.10	5.40



RECOMMENDED PCB LAYOUT FOR
PITCH BETWEEN TERMINALS
(FOR 172249 SERIES)

KEEP OUT AREA DIM'S CHANGED EC NO: UCP2015-0803 DRWN:SS06 CHKD: APPR:RHODGE REV B	QUALITY SYMBOLS ▽_F=0 ▽_F=0 ▽_F=0	DESCRIPTION 2014/08/15 2014/09/12	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY ISHWARG	DATE 2013/10/19	TITLE 14-20 AWG SOLDER RIGHT TERMINAL				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	APPROVED BY RHODGE		DATE 2013/11/19		molex		
			2 PLACES	± 0.25	± ---	MATERIAL NO.					DOCUMENT NO.	SHEET NO.
			1 PLACE	± 0.35	± ---	SEE CHART					SD-172249-001	2 OF 2
	0 PLACE	± ---	ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					