



REDRAWN IN ME-10 EC NO: UCP2006-3071 DRAWN: JOMERC1 2006/06/22 CHKD: JOMERC1 2006/06/22 APPR: JOMERC1 2006/06/23	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .10</td> <td>± .004</td> </tr> <tr> <td>3 PLACES</td> <td>± .15</td> <td>± .006</td> </tr> <tr> <td>2 PLACES</td> <td>± .25</td> <td>± .010</td> </tr> <tr> <td>1 PLACE</td> <td>± .40</td> <td>± .016</td> </tr> </table> ANGULAR ±1/2°		mm	INCH	4 PLACES	± .10	± .004	3 PLACES	± .15	± .006	2 PLACES	± .25	± .010	1 PLACE	± .40	± .016	DIMENSION STYLE IN/MM DRAWN BY: R/JF DATE: 1/7/92 CHECKED BY: R/JF DATE: 1/7/92 APPROVED BY: RAS DATE: 1/7/92	SCALE: 8:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: MALE CRIMP TERMINAL, 12, 10 & 8AWG MINIFIT SR. MOLEX INCORPORATED
			mm	INCH																
	4 PLACES		± .10	± .004																
	3 PLACES		± .15	± .006																
2 PLACES	± .25	± .010																		
1 PLACE	± .40	± .016																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE CHART SIZE C	DOCUMENT NO. SD-42817-* SHEET NO. 1 OF 2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	

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Rev. D 2004/04/02

	13	12	11	10	9	8	7	6	5	4	3	2	1
ITEM NUMBER	WIRE RANGE	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	DIM. G	MAX. INSULATION DIAMETER	PLATING			
42817-0011	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 (2.20)	1.087 (27.60)	.209 (5.30)	OVERALL TIN			
42817-0031	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 (2.20)	1.087 (27.60)	.260 (6.60)				
42817-0111	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 (2.20)	1.165 (29.60)	.209 (5.30)				
42817-0131	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 (2.20)	1.165 (29.60)	.260 (6.60)				
42817-0012	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 (2.20)	1.087 (27.60)	.209 (5.30)	SELECT GOLD			
42817-0032	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 (2.20)	1.087 (27.60)	.260 (6.60)				
42817-0112	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 (2.20)	1.165 (29.60)	.209 (5.30)				
42817-0132	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 (2.20)	1.165 (29.60)	.260 (6.60)				

**NOTES:**

- 1) MATERIAL: COPPER ALLOY 151, .020/(.50) THICK.
- 2) PLATING:

1 = .000100/(.00254) MIN. \*TIN OVER  
.000050/(.00127) MIN. NICKEL.

2 = .000030/(.00076) MIN. SELECT GOLD IN CONTACT AREA.  
.000100/(.00254) MIN. SELECT \*TIN ON SOLDER TAILS  
OVER .000050/(.00127) MIN. NICKEL.

\* THE PRIMARY SHIPPING CARTON WILL BE LABELED  
"COMPLIANT TO ROHS DIRECTIVE 2002/95/EC  
AND ELV ANNEX II OF DIRECTIVE 2000/53/EC."  
CARTONS WITHOUT THIS LABEL MAY CONTAIN  
PRODUCT WITH TIN-LEAD.

1D) WHEN USING OVERALL TIN PLATED TERMINALS,  
FOR APPLICATIONS INVOLVING VIBRATION AND/OR THERMAL CYCLING,  
MOLEX STRONGLY RECOMMENDS THE USE OF NYE LUBRICANT, NYOGEL 760G,  
ON THE MATING AREA OF THE TERMINAL. LUBRICANT SHOULD BE APPLIED  
AFTER THE TERMINALS ARE INSERTED INTO THE HOUSING.

12) THE 8AWG TERMINAL WILL ALSO ACCOMMODATE 2 12AWG WIRES  
SEE CRIMP SPEC FOR DETAILS.

13) CRIMP SPECS.:  
638210000 FOR 10AWG & 12AWG  
638300000 FOR 8AWG, 8AWG HI-FLEX & DOUBLE 12AWG

- 3) PRODUCT SPEC.: PS-42815-001
- 4) PART IS DESIGNED IN METRIC.
- 5) TERMINALS FOR USE WITH STRANDED WIRE ONLY.
- 6) ITEM NUMBERS PRECEDED BY AN 'X' IN THE CHART ARE NOT AVAILABLE.
- 7) THE 8 AWG TERMINAL HAS NO INSULATION CRIMP. THE SECONDARY  
CRIMP SECTION ACTS AS A STRAIN RELIEF ON THE BARE CONDUCTOR ONLY.  
SEE MOLEX CRIMP SPECIFICATION FOR DETAILS.

⚠ AFTER CRIMPING, THIS DIMENSION IS .140/(3.55) MINIMUM.

⚠ AFTER CRIMPING, THIS DIMENSION IS .089/(2.25) MAXIMUM.

10) WHEN USING THE 8 AWG TERMINAL WITH 'HI-FLEX' WIRE, MOLEX STRONGLY  
RECOMMENDS THAT THE APPROPRIATELY RATED HEAT SHRINK INSULATION BE  
APPLIED OVER THE WIRE INSULATION AND CRIMP AREA, AS SHOWN, TO MINIMIZE  
WIRE INSULATION CREEPAGE OUTSIDE OF HOUSING.

SEE SHEET 1 EC NO: UCP2006-3071 DRWN: JOMERC1 2006/06/22 CHKD: JOMERC1 2006/06/22 APPR: JOMERC1 2006/06/23 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± --- ± ---	DRAWN BY SEP DATE 1/10/95	TITLE	MALE CRIMP TERMINAL	
	▽=0	3 PLACES ± --- ± .010	CHECKED BY RAS DATE 1/10/95	10-12 AWG AND 8 AWG		
		2 PLACES ± 0.25 ± .016	APPROVED BY RAS DATE 1/10/95	MINIFIT SR. SERIES		
	1 PLACE ± 0.40 ± ---	ANGULAR ±1/2°	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-42817-*	MOLEX INCORPORATED	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		