



REDRAWN IN ME-10 FC NO: UCP2006-3071 DRWN: JCOMERC CHKD: 2006/06/22 APPR: JCOMERC 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>± .010</td> <td>± .004</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± .016</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.40</td> <td>± .016</td> </tr> </table> ANGULAR ±1/2°		mm	INCH	4 PLACES	± .10	± .004	3 PLACES	± .010	± .004	2 PLACES	± 0.25	± .016	1 PLACE	± 0.40	± .016
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DESCRIPTION	DRAWN BY: RJF CHECKED BY: RJF APPROVED BY: RAS DATE: 1/7/92 DATE: 1/7/92 DATE: 1/7/92																
REVISION	DIMENSION STYLE: IN/MM SCALE: 8:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION																
	MATERIAL NO. DOCUMENT NO.																
	SHEET NO.																

DRAFT WHERE APPLICABLE
 MUST REMAIN WITHIN DIMENSIONS

SEE CHART

MOLEX INCORPORATED
 SD-42817-*
 1 OF 2

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

1) 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.

2) THE 8AWG TERMINAL WILL ALSO ACCOMMODATE 2 I2AWG WIRES SEE CRIMP SPEC FOR DETAILS.

3) 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.

- 8) AFTER CRIMPING, THIS DIMENSION IS .140/(3.55) MINIMUM.
- 9) 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 FC NO: UICP2006-3071 DRAWN: JCOMERC 2006/06/22 CHKD: 2006/06/22 APPR: JCOMERC 2006/06/23	DESCRIPTION H1	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																										
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