



REDRAWN IN ME-10 FC NO: UCP2006-3071 DRWN: JCOMERC CHKD: 2006/06/22 APPR: JCOMERC H1	DESCRIPTION 2006/06/22 2006/06/22	QUALITY SYMBOLS =0 =0
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GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± .010	± .0004
3 PLACES ± .015	± .0006
2 PLACES ± 0.25	± .010
1 PLACE ± 0.40	± .016
ANGULAR ± 1/2°	

DIMENSION STYLE	
IN/MM	
DRAWN BY	DATE
RJF	1/7/92
CHECKED BY	DATE
RJF	1/7/92
APPROVED BY	DATE
RAS	1/7/92
MATERIAL NO.	
SEE CHART	

SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
MALE CRIMP TERMINAL, 12, 10 & 8AWG MINIFIT SR.		
MOLEX INCORPORATED		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
	SD-42817-*	1 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

	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			
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		J	
	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)			I	
	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		H
	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)				
	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.
- 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.

- 11) 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 I2AWG WIRES SEE CRIMP SPEC FOR DETAILS.
- 13) CRIMP SPECS.:
 - 638210000 FOR 10AWG & 12AWG
 - 638300000 FOR 8AWG, 8AWG HI-FLEX & DOUBLE 12AWG

SEE SHEET 1 FC NO: UICP2006-3071 DRAWN: JCOMERC 2006/06/22 CHKD: 2006/06/22 APPR: JCOMERC 2006/06/23	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				IN/MM		---	METRIC				
				mm	INCH	DRAWN BY	DATE	TITLE			
				4 PLACES ± --- ± ---		GEP	1/10/95	MALE CRIMP TERMINAL 10-12 AWG AND 8 AWG MINIFIT SR. SERIES			
		3 PLACES ± --- ± .010		CHECKED BY	DATE	molex MOLEX INCORPORATED					
		2 PLACES ± 0.25 ± .016		RJF	1/10/95						
		1 PLACE ± 0.40 ± ---		APPROVED BY	DATE	SD-42817-*					
		ANGULAR ±1/2°		RAS	1/10/95						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
				SEE CHART				2 OF 2			
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