



REDRAWN IN ME-10 FC NO: UCP2006-3071 DRWN: JCOMERC 2006/06/22 CHKD: JCOMERC 2006/06/22 APPR: JCOMERC 2006/06/23 H1	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± .010 ± .010	3 PLACES ± .010 ± .010	DRAWN BY RJF	DATE 1/7/92	TITLE MALE CRIMP TERMINAL, 12, 10 & 8AWG MINIFIT SR.			
		2 PLACES ± 0.25 ± .016	1 PLACE ± 0.40 ± .016	CHECKED BY RJF	DATE 1/7/92	APPROVED BY RAS			
		ANGULAR ±1/2°		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-42817-*		SHEET NO. 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					

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 <sub>R</sub> (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 <sub>R</sub> (2.20)	1.087 (27.60)	.209 (5.30) DIA.	OVERALL TIN
42817-0031	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 <sub>R</sub> (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 <sub>R</sub> (2.20)	1.087 (27.60)	.260 (6.60) DIA.	
42817-0111	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 <sub>R</sub> (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 <sub>R</sub> (2.20)	1.165 (29.60)	.209 (5.30) DIA.	
42817-0131	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 <sub>R</sub> (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 <sub>R</sub> (2.20)	1.165 (29.60)	.260 (6.60) DIA.	
42817-0012	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 <sub>R</sub> (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 <sub>R</sub> (2.20)	1.087 (27.60)	.209 (5.30) DIA.	SELECT GOLD
42817-0032	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 <sub>R</sub> (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 <sub>R</sub> (2.20)	1.087 (27.60)	.260 (6.60) DIA.	
42817-0112	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 <sub>R</sub> (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 <sub>R</sub> (2.20)	1.165 (29.60)	.209 (5.30) DIA.	
42817-0132	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 <sub>R</sub> (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 <sub>R</sub> (2.20)	1.165 (29.60)	.260 (6.60) DIA.	

**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 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						
		2 PLACES ± 0.25 ± .016		RJF	1/10/95	molex MOLEX INCORPORATED					
		1 PLACE ± 0.40 ± ---		APPROVED BY	DATE						
		ANGULAR ±1/2°		RAS	1/10/95	MATERIAL NO.		DOCUMENT NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-42817-*		SHEET NO. 2 OF 2			
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							