



REDRAWN IN ME-10 EC NO: UCP2006-3071 DRWN: JOMERC1 2006/06/22 CHKD: JOMERC1 2006/06/22 APPR: JOMERC1 2006/06/23	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM	SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .016 1 PLACE ± 0.40 ± --- ANGULAR ± 1/2°	mm INCH DRAWN BY DATE R/JF 1/7/92 CHECKED BY DATE R/JF 1/7/92 APPROVED BY DATE RAS 1/7/92	TITLE MALE CRIMP TERMINAL, 12, 10 & 8AWG MINIFIT SR.		MOLEX MOLEX INCORPORATED	DOCUMENT NO. SD-42817-*
H1	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART	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	$\frac{.213 \pm .024}{(5.40 \pm .60)}$	$\frac{.240 \pm .016}{(6.10 \pm .40)}$	$\frac{.067}{(1.70)}$ R.	$\frac{.232 \pm .024}{(5.90 \pm .60)}$	$\frac{.260 \pm .016}{(6.60 \pm .40)}$	$\frac{.087}{(2.20)}$ R.	$\frac{1.087}{(27.60)}$	$\frac{.209}{(5.30)}$ DIA.	OVERALL TIN
42817-0031	8 AWG	$\frac{.229 \pm .024}{(5.83 \pm .60)}$	$\frac{.292 \pm .016}{(7.42 \pm .40)}$	$\frac{.067}{(1.70)}$ R.	$\frac{.236 \pm .024}{(6.00 \pm .60)}$	$\frac{.216 \pm .016}{(5.50 \pm .40)}$	$\frac{.087}{(2.20)}$ R.	$\frac{1.087}{(27.60)}$	$\frac{.260}{(6.60)}$ DIA.	
42817-0111	12 & 10 AWG	$\frac{.213 \pm .024}{(5.40 \pm .60)}$	$\frac{.240 \pm .016}{(6.10 \pm .40)}$	$\frac{.067}{(1.70)}$ R.	$\frac{.232 \pm .024}{(5.90 \pm .60)}$	$\frac{.260 \pm .016}{(6.60 \pm .40)}$	$\frac{.087}{(2.20)}$ R.	$\frac{1.165}{(29.60)}$	$\frac{.209}{(5.30)}$ DIA.	
42817-0131	8 AWG	$\frac{.229 \pm .024}{(5.83 \pm .60)}$	$\frac{.292 \pm .016}{(7.42 \pm .40)}$	$\frac{.067}{(1.70)}$ R.	$\frac{.236 \pm .024}{(6.00 \pm .60)}$	$\frac{.216 \pm .016}{(5.50 \pm .40)}$	$\frac{.087}{(2.20)}$ R.	$\frac{1.165}{(29.60)}$	$\frac{.260}{(6.60)}$ DIA.	
42817-0012	12 & 10 AWG	$\frac{.213 \pm .024}{(5.40 \pm .60)}$	$\frac{.240 \pm .016}{(6.10 \pm .40)}$	$\frac{.067}{(1.70)}$ R.	$\frac{.232 \pm .024}{(5.90 \pm .60)}$	$\frac{.260 \pm .016}{(6.60 \pm .40)}$	$\frac{.087}{(2.20)}$ R.	$\frac{1.087}{(27.60)}$	$\frac{.209}{(5.30)}$ DIA.	SELECT GOLD
42817-0032	8 AWG	$\frac{.229 \pm .024}{(5.83 \pm .60)}$	$\frac{.292 \pm .016}{(7.42 \pm .40)}$	$\frac{.067}{(1.70)}$ R.	$\frac{.236 \pm .024}{(6.00 \pm .60)}$	$\frac{.216 \pm .016}{(5.50 \pm .40)}$	$\frac{.087}{(2.20)}$ R.	$\frac{1.087}{(27.60)}$	$\frac{.260}{(6.60)}$ DIA.	
42817-0112	12 & 10 AWG	$\frac{.213 \pm .024}{(5.40 \pm .60)}$	$\frac{.240 \pm .016}{(6.10 \pm .40)}$	$\frac{.067}{(1.70)}$ R.	$\frac{.232 \pm .024}{(5.90 \pm .60)}$	$\frac{.260 \pm .016}{(6.60 \pm .40)}$	$\frac{.087}{(2.20)}$ R.	$\frac{1.165}{(29.60)}$	$\frac{.209}{(5.30)}$ DIA.	
42817-0132	8 AWG	$\frac{.229 \pm .024}{(5.83 \pm .60)}$	$\frac{.292 \pm .016}{(7.42 \pm .40)}$	$\frac{.067}{(1.70)}$ R.	$\frac{.236 \pm .024}{(6.00 \pm .60)}$	$\frac{.216 \pm .016}{(5.50 \pm .40)}$	$\frac{.087}{(2.20)}$ R.	$\frac{1.165}{(29.60)}$	$\frac{.260}{(6.60)}$ 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.

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 ACCOMODATE 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 EC NO: UCP2006-3071 DRAWN: JOMERC 2006/06/22 CHKD: 2006/06/22 APPR: JOMERC 2006/06/23	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY GEP	DATE 1/10/95	TITLE MALE CRIMP TERMINAL 10-12 AWG AND 8 AWG MINIFIT SR. SERIES	
H1	REV	4 PLACES ± --- ± ---	CHECKED BY RJF	DATE 1/10/95	MOLEX MOLEX INCORPORATED DOCUMENT NO. SD-42817-* SHEET NO. 2 OF 2		
		3 PLACES ± --- ± .010	APPROVED BY RAS	DATE 1/10/95			
		2 PLACES ± 0.25 ± .016	MATERIAL NO. SEE CHART				
ANGULAR ± 1/2°		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			