



RENUMBER NOTES EC NO: UCP2013-5420 DRW: AELHAG 2013/11/12 CHKD: JELL 2013/11/12 APPR: FSMITH 2013/11/25	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	IN/MM	8:1	METRIC	☉
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
		3 PLACES ± --- ± .010	RJF 1/7/92	MALE CRIMP TERMINAL, 12, 10 & 8 AWG MINIFIT SR.		

2 PLACES ± 0.25 ± .016	CHECKED BY DATE	MOLEX INCORPORATED	
1 PLACE ± 0.40 ± ---	RJF 1/7/92	SD-42817-*	
ANGULAR ± 1/2°	APPROVED BY DATE	SHEET NO.	
	RAS 1/7/92	1 OF 2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	SEE CHART		

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.
- 3) PRODUCT SPEC.: PS-42815-001
- 4) PACKAGING INFORMATION: PK-42815-001.
- 5) PART IS DESIGNED IN METRIC.
- 6) TERMINALS FOR USE WITH STRANDED WIRE ONLY.
- 7) ITEM NUMBERS PRECEDED BY AN 'X' IN THE CHART ARE NOT AVAILABLE.
- 8) 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.
- 9) AFTER CRIMPING, THIS DIMENSION IS .140/(3.55) MINIMUM.
- 10) AFTER CRIMPING, THIS DIMENSION IS .089/(2.25) MAXIMUM.
- 11) 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.

- 12) 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.
- 13) THE 8AWG TERMINAL WILL ALSO ACCOMODATE 2 12AWG WIRES SEE CRIMP SPEC FOR DETAILS.
- 14) CRIMP SPECS.:
 - 638210000 FOR 10AWG & 12AWG
 - 638300000 FOR 8AWG, 8AWG HI-FLEX & DOUBLE 12AWG

ADD PKG SPECS EC NO: UCP2013-5420 DRW: NAEHAG 2013/11/12 CHKD: JEBEL 2013/11/12 APPR: FSMITH 2013/11/25	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				DRAWN BY GEP	DATE 1/10/95	TITLE MALE CRIMP TERMINAL 10-12 AWG AND 8 AWG MINIFIT SR. SERIES		
				CHECKED BY RJF	DATE 1/10/95	MOLEX MOLEX INCORPORATED		
				APPROVED BY RAS	DATE 1/10/95	DOCUMENT NO. SD-42817-*		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART	SHEET NO. 2 OF 2			
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						