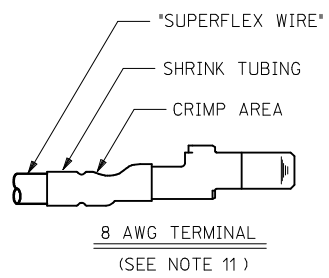
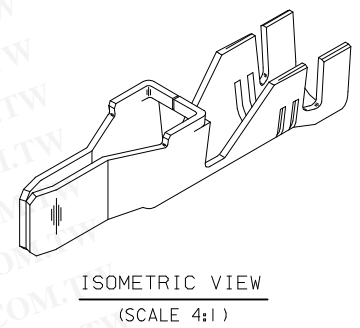
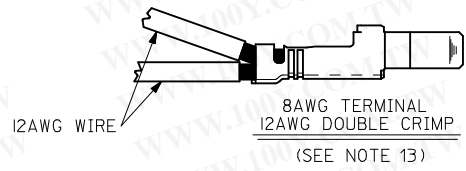
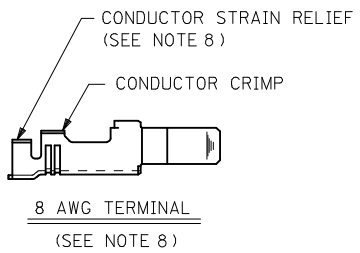


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RENUMBER NOTES EC NO: UCP2013-5420 DRW: NAEHAG 2013/11/12 CHKD: JEBLL 2013/11/12 APPR: FSMITH 2013/11/25	DESCRIPTION H2	QUALITY SYMBOLS ▽=0 ▽=0
	REV	REV

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± .010	± .0004
3 PLACES ± .010	± .0004
2 PLACES ± .025	± .0010
1 PLACE ± 0.40	± .0157
ANGULAR ± 1/2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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	
SIZE C	

SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE MALE CRIMP TERMINAL, 12, 10 & 8 AWG MINIFIT SR.		
MOLEX INCORPORATED		SHEET NO. 1 OF 2
DOCUMENT NO. SD-42817-*		
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.
- 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 I2AWG WIRES SEE CRIMP SPEC FOR DETAILS.
- 14) CRIMP SPECS.:
 - 638210000 FOR 10AWG & 12AWG
 - 638300000 FOR 8AWG, 8AWG HI-FLEX & DOUBLE 12AWG

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ADD PKG SPECS EC NO: UCP2013-5420 DRWNAELHAG 2013/11/12 CHKD:JBELL 2013/11/12 APPR:FSM/TH 2013/11/12 HZ REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± .010</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>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± .010	2 PLACES	± 0.25	± .016	1 PLACE	± 0.40	± ---	DIMENSION STYLE IN/MM	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
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1 PLACE	± 0.40	± ---																			
		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	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-42817-*	SHEET NO. 2 OF 2															

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