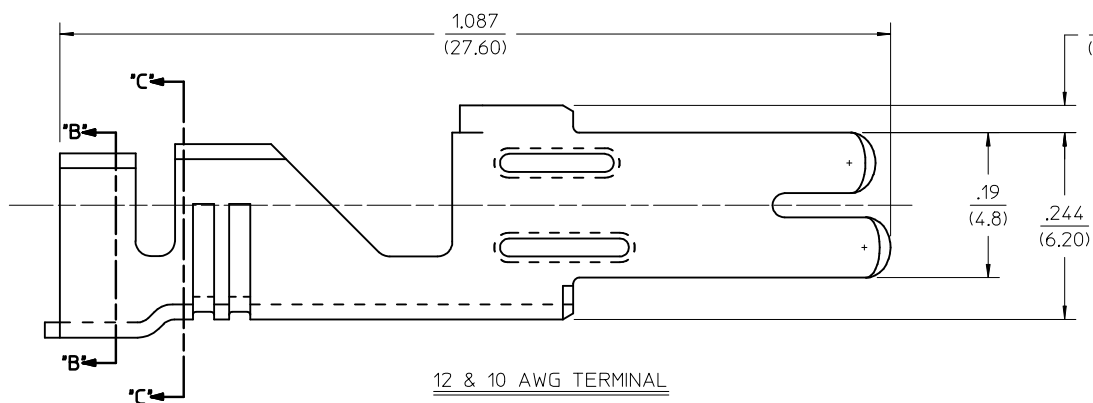
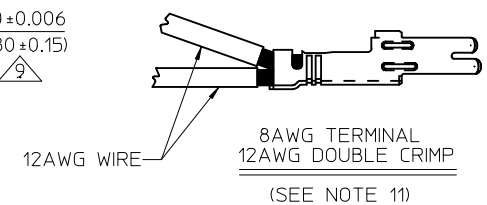
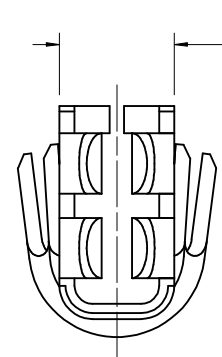


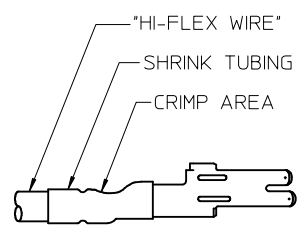
ISOMETRIC VIEW
(SCALE 4:1)



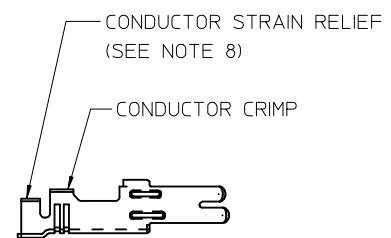
12 & 10 AWG TERMINAL



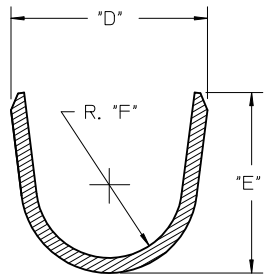
8 AWG TERMINAL
12 AWG DOUBLE CRIMP
(SEE NOTE 11)



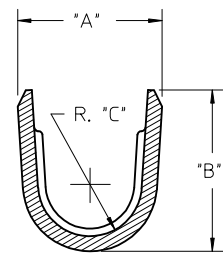
8 AWG TERMINAL
(SEE NOTE 10)



8 AWG TERMINAL
(SEE NOTE 8)



SECTION B-B



SECTION C-C
(BACKGROUND OMITTED)

METRIC WIRE IEC NO: UCP2015-5009 DRWN:J.MONTI 2015/05/28 CHK:K.BANDERSON 2015/05/28 APPR:FSMITH 2015/06/04	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <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> <tr> <td>0 PLACE</td> <td>± .---</td> <td>± .---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± .---	± .---	3 PLACES	± .---	± .010	2 PLACES	± 0.25	± .016	1 PLACE	± 0.40	± .---	0 PLACE	± .---	± .---	DIMENSION STYLE IN/MM DRAWN BY DATE R/JF 1/6/92 CHECKED BY DATE R/JF 1/6/92 APPROVED BY DATE R/AS 1/6/92	SCALE 8:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE FEMALE CRIMP TERMINAL, 12, 10 & 8 AWG MINIFIT SR. molex
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MATERIAL NO. SEE CHART	DOCUMENT NO. SD-42815-*	SHEET NO. 1 OF 2																					
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H4	REV																						

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	MAX. INSULATION DIAMETER	PLATING	STATUS		
42815-0011	12 & 10 AWG (5 & 6mm ²)	$\frac{.213 \pm .024}{(5.40 \pm .60)}$	$\frac{.240 \pm .016}{(6.10 \pm .40)}$	R. $\frac{.067}{(1.70)}$	$\frac{.232 \pm .024}{(5.90 \pm .60)}$	$\frac{.260 \pm .016}{(6.60 \pm .40)}$	R. $\frac{.087}{(2.20)}$	$\frac{.209}{(5.30)}$ DIA.	OVERALL TIN	PLANNED FOR OBSOLESCENCE		
42815-0031	8 AWG	$\frac{.229 \pm .024}{(5.83 \pm .60)}$	$\frac{.292 \pm .016}{(7.42 \pm .40)}$	R. $\frac{.067}{(1.70)}$	$\frac{.236 \pm .024}{(6.00 \pm .60)}$	$\frac{.216 \pm .016}{(5.50 \pm .40)}$	R. $\frac{.087}{(2.20)}$	$\frac{.260}{(6.60)}$ DIA.				
42815-0012	12 & 10 AWG (5 & 6mm ²)	$\frac{.213 \pm .024}{(5.40 \pm .60)}$	$\frac{.240 \pm .016}{(6.10 \pm .40)}$	R. $\frac{.067}{(1.70)}$	$\frac{.232 \pm .024}{(5.90 \pm .60)}$	$\frac{.260 \pm .016}{(6.60 \pm .40)}$	R. $\frac{.087}{(2.20)}$	$\frac{.209}{(5.30)}$ DIA.	SELECT GOLD	ACTIVE		
42815-0032	8 AWG	$\frac{.229 \pm .024}{(5.83 \pm .60)}$	$\frac{.292 \pm .016}{(7.42 \pm .40)}$	R. $\frac{.067}{(1.70)}$	$\frac{.236 \pm .024}{(6.00 \pm .60)}$	$\frac{.216 \pm .016}{(5.50 \pm .40)}$	R. $\frac{.087}{(2.20)}$	$\frac{.260}{(6.60)}$ DIA.				
42815-0114	12 & 10 AWG (5 & 6mm ²)	$\frac{.213 \pm .024}{(5.40 \pm .60)}$	$\frac{.240 \pm .016}{(6.10 \pm .40)}$	R. $\frac{.067}{(1.70)}$	$\frac{.232 \pm .024}{(5.90 \pm .60)}$	$\frac{.260 \pm .016}{(6.60 \pm .40)}$	R. $\frac{.087}{(2.20)}$	$\frac{.209}{(5.30)}$ DIA.	SELECT SILVER	ACTIVE		
42815-0134	8 AWG	$\frac{.229 \pm .024}{(5.83 \pm .60)}$	$\frac{.292 \pm .016}{(7.42 \pm .40)}$	R. $\frac{.067}{(1.70)}$	$\frac{.236 \pm .024}{(6.00 \pm .60)}$	$\frac{.216 \pm .016}{(5.50 \pm .40)}$	R. $\frac{.087}{(2.20)}$	$\frac{.260}{(6.60)}$ 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.
 - 4 = .000100/(.00254) MIN. SELECT SILVER 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) WHEN USING THE 8 AWG TERMINAL WITH "SUPERFLEX 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) THE 8AWG TERMINAL WILL ALSO ACCOMODATE 2 12AWG WIRES SEE CRIMP SPEC FOR DETAILS.
- 12) PARTS CONFORM TO CLASS 'B' REQUIREMENT OF COSMETIC SPEC PS-45499-002.
- 13) FOR PLATING OPTION 2 SEE NOTE 2 (OVERALL TIN PLATED PARTS), FOR APPLICATIONS INVOLVING VIBRATION AND/OR THERMAL CYCLING, MOLEX STRONGLY RECOMMENDS TO USE NYE LUBRICANT, NYOGEL 760G LUBRICANT ON THE MATING AREA, AFTER THE TERMINALS ARE INSERTED INTO THE HOUSING, REFER AS-42815-001 FOR ADDITIONAL INFORMATION.

SEE SHEET 1 EC NO: UCP2015-5009 DRWN: JMOIT 2015/05/28 CHKD: BANDERSON 2015/05/28 APPR: FSMITH 2015/06/04	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																			
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