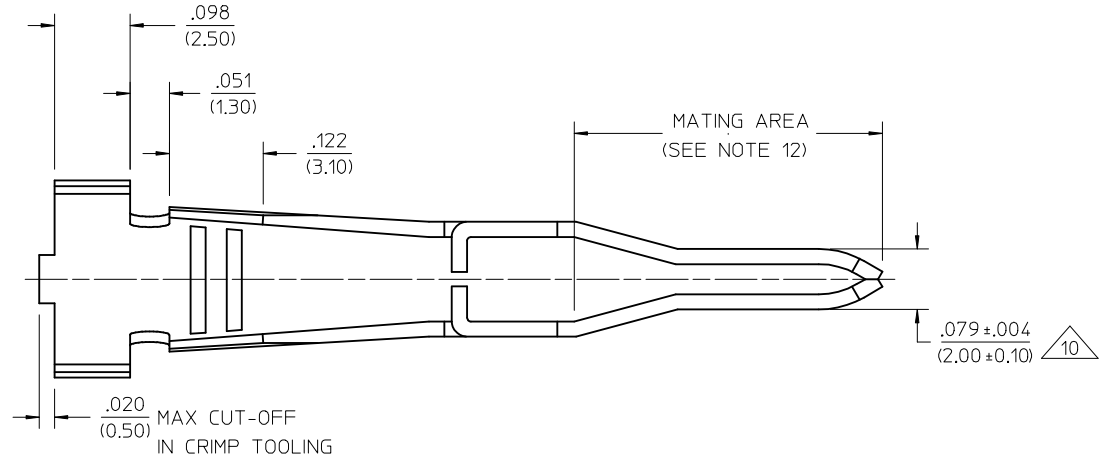
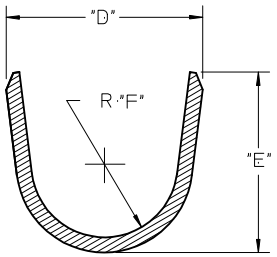
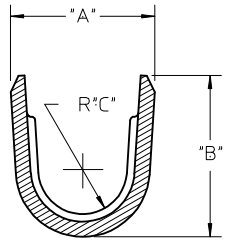
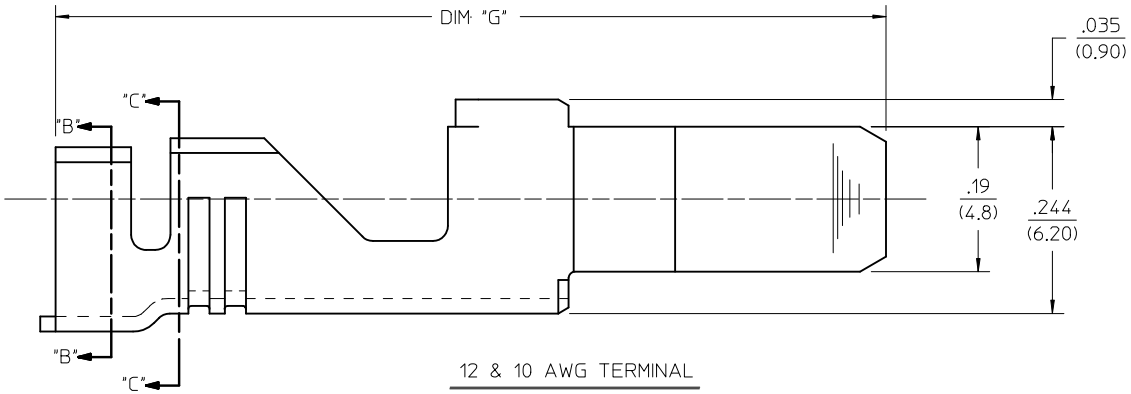




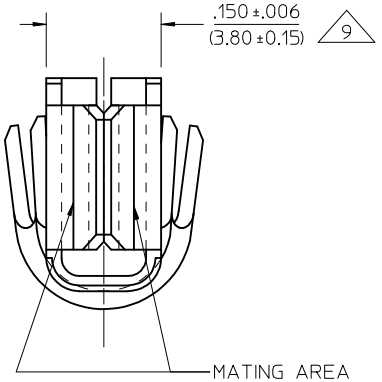
SECTION B-B

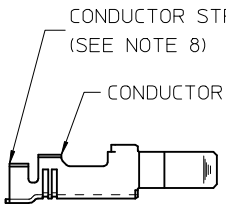


SECTION C-C
(BACKGROUND OMITTED)

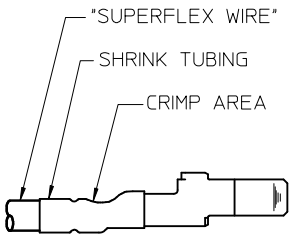


12 & 10 AWG TERMINAL

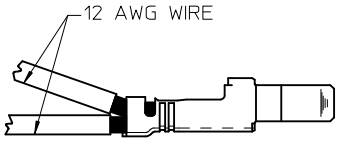




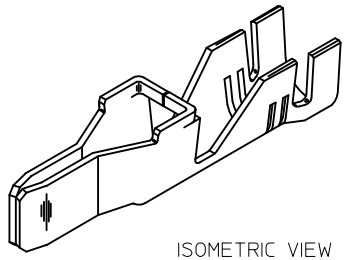
8 AWG TERMINAL
(SEE NOTE 8)



8 AWG TERMINAL
(SEE NOTE 11)



8 AWG TERMINAL
12 AWG DOUBLE CRIMP
(SEE NOTE 13)



ISOMETRIC VIEW
(SCALE 4:1)

METRIC WIRE EC NO: UCP2015-5009 2015/05/28 DRWN: JMONTI 2015/05/28 CH'KD: BANDERSON 2015/06/04 APPR: FSMITH DESCRIPTION	QUALITY SYMBOLS =0 =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± .010 2 PLACES ± 0.25 / ± .016 1 PLACE ± 0.40 / ± --- 0 PLACE ± --- / ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE IN/MM	SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			DRAWN BY RJF DATE 1/7/92 CHECKED BY RJF DATE 1/7/92 APPROVED BY RAS DATE 1/7/92 MATERIAL NO. SEE CHART	TITLE MALE CRIMP TERMINAL, 12, 10 & 8AWG MINIFIT SR.						
REV H4			SIZE C	DOCUMENT NO. SD-42817-*					SHEET NO. 1 OF 2	

ITEM NUMBER	WIRE RANGE	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	DIM. G	MAX. INSULATION DIAMETER	PLATING	STATUS
42817-0011	12 & 10 AWG (5 & 6mm²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R.087 (2.20)	1.087 (27.60)	.209 (5.30) DIA.	OVERALL TIN	PLANNED FOR OBSOLESCENCE
42817-0031	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R.087 (2.20)	1.087 (27.60)	.260 (6.60) DIA.		
42817-0111	12 & 10 AWG (5 & 6mm²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R.087 (2.20)	1.165 (29.60)	.209 (5.30) DIA.		
42817-0131	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R.087 (2.20)	1.165 (29.60)	.260 (6.60) DIA.		
42817-0012	12 & 10 AWG (5 & 6mm²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R.087 (2.20)	1.087 (27.60)	.209 (5.30) DIA.	SELECT GOLD	ACTIVE
42817-0032	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R.087 (2.20)	1.087 (27.60)	.260 (6.60) DIA.		
42817-0112	12 & 10 AWG (5 & 6mm²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R.087 (2.20)	1.165 (29.60)	.209 (5.30) DIA.		
42817-0132	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R.087 (2.20)	1.165 (29.60)	.260 (6.60) DIA.		
42817-1014	12 & 10 AWG (5 & 6mm²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R.087 (2.20)	1.087 (27.60)	.209 (5.30) DIA.	SELECT SILVER	ACTIVE
42817-1034	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R.087 (2.20)	1.087 (27.60)	.260 (6.60) DIA.		
42817-1114	12 & 10 AWG (5 & 6mm²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R.087 (2.20)	1.165 (29.60)	.209 (5.30) DIA.		
42817-1134	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R.087 (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.
   4= .000100/(.00254) MINIMUM 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 PRECEEDED 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) MINIMUM.
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.
    REFER AS-42815-001 FOR ADDITIONAL INFORMATION.
13) THE 8 AWG TERMINAL WILL ALSO ACCOMODATE 2 12 AWG WIRES
    SEE CRIMP SPEC FOR DETAILS.

SEE SHEET 1
EC NO: UCP2015-5009 2015/05/28
DRWN: JMONTI 2015/05/28
CHKD: BANDERSON 2015/06/04
APPR: FSMITH
DESCRIPTION
REV
H4

QUALITY SYMBOLS
E =0
F =0
P =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .016
1 PLACE	± 0.40	± ---
0 PLACE	± ---	± ---

ANGULAR ±1/2°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 8:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: RJF DATE: 1/7/92
CHECKED BY: RJF DATE: 1/7/92
APPROVED BY: RAS DATE: 1/7/92

TITLE: MALE CRIMP TERMINAL, 12, 10 & 8AWG MINIFIT SR.

molex

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-42817-*
SHEET NO.: 2 OF 2
SIZE: C