



METRIC WIRE IEC NO: UCP2015-5009 DRWN: J.MONT 2015/05/28 CHKD: B.ANDERSON 2015/05/28 APPR: F.S.MITH 2015/06/04 H4	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>IN/MM</b>	SCALE <b>8:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	DRAWN BY R.J.F.	DATE 1/7/92	TITLE <b>MALE CRIMP TERMINAL, 12, 10 &amp; 8AWG MINIFIT SR.</b>			
		2 PLACES ± 0.25 ± .016	1 PLACE ± 0.40 ± ---	CHECKED BY R.J.F.	DATE 1/7/92	APPROVED BY <b>molex</b>			
		0 PLACE ± --- ± ---	ANGULAR ± 1/2°	APPROVED BY R.A.S.	DATE 1/7/92	MATERIAL NO. <b>SEE CHART</b>	DOCUMENT NO. <b>SD-42817-*</b>	SHEET NO. <b>1 OF 2</b>	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

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	DIM. G	MAX. INSULATION DIAMETER	PLATING	STATUS	
J 42817-0011	12 & 10 AWG (5 & 6mm <sup>2</sup> )	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R <sub>v</sub> .067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R <sub>v</sub> .087 (2.20)	1.087 (27.60)	.209 DIA. (5.30)	OVERALL TIN	PLANNED FOR OBSOLESCENCE	J
42817-0031	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R <sub>v</sub> .067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R <sub>v</sub> .087 (2.20)	1.087 (27.60)	.260 DIA. (6.60)			
I 42817-0111	12 & 10 AWG (5 & 6mm <sup>2</sup> )	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R <sub>v</sub> .067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R <sub>v</sub> .087 (2.20)	1.165 (29.60)	.209 DIA. (5.30)			
42817-0131	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R <sub>v</sub> .067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R <sub>v</sub> .087 (2.20)	1.165 (29.60)	.260 DIA. (6.60)			
H 42817-0012	12 & 10 AWG (5 & 6mm <sup>2</sup> )	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R <sub>v</sub> .067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R <sub>v</sub> .087 (2.20)	1.087 (27.60)	.209 DIA. (5.30)	SELECT GOLD	ACTIVE	H
42817-0032	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R <sub>v</sub> .067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R <sub>v</sub> .087 (2.20)	1.087 (27.60)	.260 DIA. (6.60)			
42817-0112	12 & 10 AWG (5 & 6mm <sup>2</sup> )	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R <sub>v</sub> .067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R <sub>v</sub> .087 (2.20)	1.165 (29.60)	.209 DIA. (5.30)			
G 42817-0132	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R <sub>v</sub> .067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R <sub>v</sub> .087 (2.20)	1.165 (29.60)	.260 DIA. (6.60)	SELECT SILVER	ACTIVE	G
42817-1014	12 & 10 AWG (5 & 6mm <sup>2</sup> )	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R <sub>v</sub> .067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R <sub>v</sub> .087 (2.20)	1.087 (27.60)	.209 DIA. (5.30)			
42817-1034	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R <sub>v</sub> .067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R <sub>v</sub> .087 (2.20)	1.087 (27.60)	.260 DIA. (6.60)			
F 42817-1114	12 & 10 AWG (5 & 6mm <sup>2</sup> )	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R <sub>v</sub> .067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R <sub>v</sub> .087 (2.20)	1.165 (29.60)	.209 DIA. (5.30)			
42817-1134	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R <sub>v</sub> .067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R <sub>v</sub> .087 (2.20)	1.165 (29.60)	.260 DIA. (6.60)			F

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 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) 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.

<b>SEE SHEET 1</b> IEC NO: UCP2015-5009 DRWN: MONT 2015/05/28 CHKD: BANDERSON 2015/05/28 APPR: F SMITH 2015/06/04 REV	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		
	▽=0	3 PLACES ± --- ± .010	RJF 1/7/92	MALE CRIMP TERMINAL, 12, 10 & 8AWG MINIFIT SR.		
	2 PLACES ± 0.25 ± .016	CHECKED BY DATE	molex			
	1 PLACE ± 0.40 ± ---	RJF 1/7/92	SD-42817-*			
	0 PLACE ± --- ± ---	APPROVED BY DATE	SHEET NO. 2 OF 2			
	ANGULAR ±1/2°	RAS 1/7/92	DOCUMENT NO.			
	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				