



METRIC WIRE IEC NO: UCP2015-5009 DRWN: J.MONT 2015/05/28 CHKD: BANDERSON 2015/05/28 APPR: FSMITH 2015/06/04	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM	SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	DRAWN BY RJF	DATE 1/7/92	TITLE MALE CRIMP TERMINAL, 12, 10 & 8AWG MINIFIT SR.	
		2 PLACES ± 0.25 ± .016	1 PLACE ± 0.40 ± ---	CHECKED BY RJF	DATE 1/7/92	APPROVED BY RAS	DATE 1/7/92
		0 PLACE ± --- ± ---	ANGULAR ± 1/2°	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-42817-*	SHEET NO. 1 OF 2	
H4	DESCRIPTION 8 AWG TERMINAL (SEE NOTE 11)	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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 ²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R _v .067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R _v .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 _v .067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R _v .087 (2.20)	1.087 (27.60)	.260 DIA. (6.60)			I
I 42817-0111	12 & 10 AWG (5 & 6mm ²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R _v .067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R _v .087 (2.20)	1.165 (29.60)	.209 DIA. (5.30)			H
42817-0131	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R _v .067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R _v .087 (2.20)	1.165 (29.60)	.260 DIA. (6.60)			G
H 42817-0012	12 & 10 AWG (5 & 6mm ²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R _v .067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R _v .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 _v .067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R _v .087 (2.20)	1.087 (27.60)	.260 DIA. (6.60)			G
42817-0112	12 & 10 AWG (5 & 6mm ²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R _v .067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R _v .087 (2.20)	1.165 (29.60)	.209 DIA. (5.30)			F
G 42817-0132	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R _v .067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R _v .087 (2.20)	1.165 (29.60)	.260 DIA. (6.60)	SELECT SILVER	ACTIVE	G
42817-1014	12 & 10 AWG (5 & 6mm ²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R _v .067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R _v .087 (2.20)	1.087 (27.60)	.209 DIA. (5.30)			D
42817-1034	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R _v .067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R _v .087 (2.20)	1.087 (27.60)	.260 DIA. (6.60)			C
F 42817-1114	12 & 10 AWG (5 & 6mm ²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R _v .067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R _v .087 (2.20)	1.165 (29.60)	.209 DIA. (5.30)			B
42817-1134	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R _v .067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R _v .087 (2.20)	1.165 (29.60)	.260 DIA. (6.60)	A		

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.

SEE SHEET 1 EC NO: UCP2015-5009 DRWN: MONT 2015/05/28 CHKD: BANDERSON 2015/05/28 APPR: F SMITH 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		
		mm		INCH		DRAWN BY RJF	DATE 1/7/92	MALE CRIMP TERMINAL, 12, 10 & 8AWG MINIFIT SR.		
		4 PLACES ± --- ± ---		± --- ± ---		CHECKED BY RJF	DATE 1/7/92			
		3 PLACES ± --- ± .010		± .010 ± .016		APPROVED BY RAS	DATE 1/7/92	molex SD-42817-* SHEET NO. 2 OF 2		
2 PLACES ± 0.25 ± .016		± .016 ± ---		MATERIAL NO. SEE CHART		DOCUMENT NO.				
1 PLACE ± 0.40 ± ---		± --- ± ---		ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
0 PLACE ± --- ± ---		± --- ± ---		SIZE C						