



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



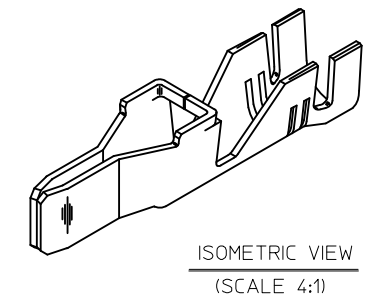
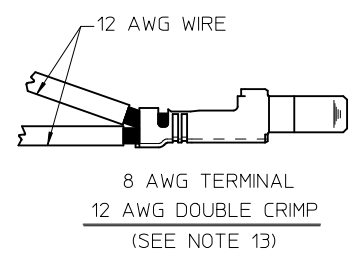
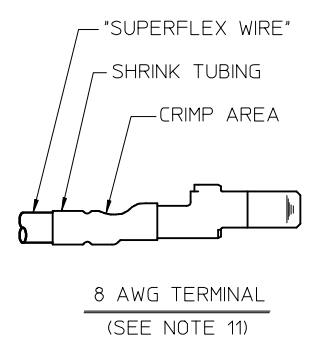
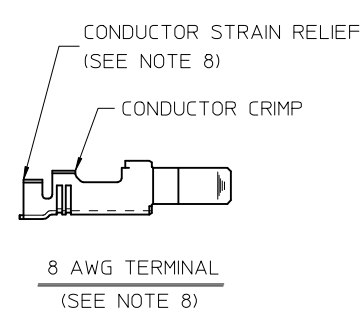
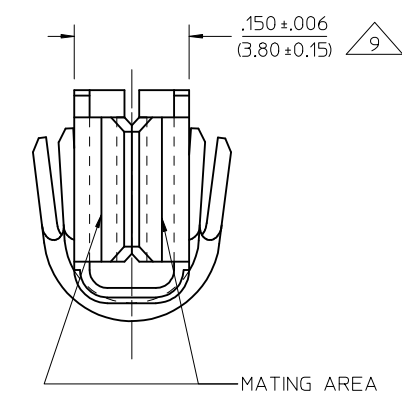
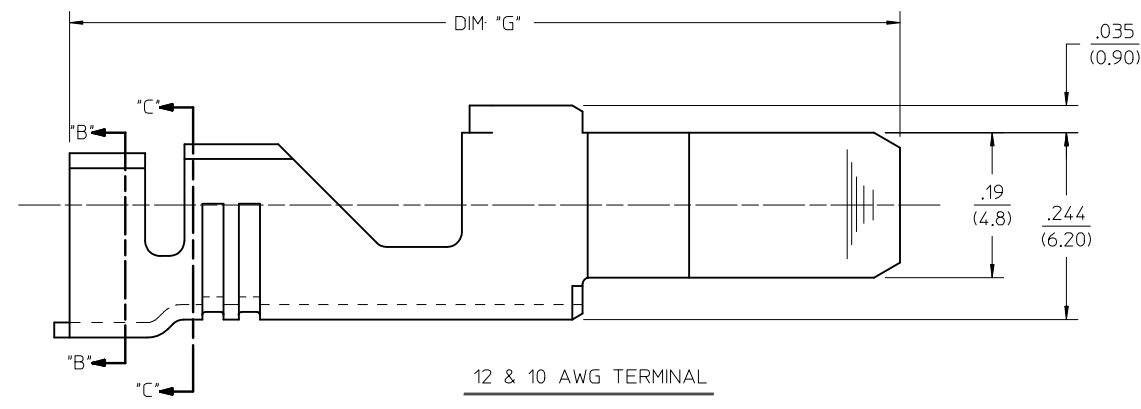
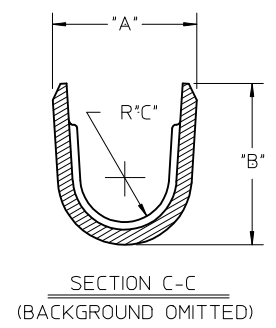
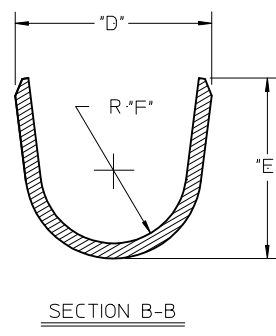
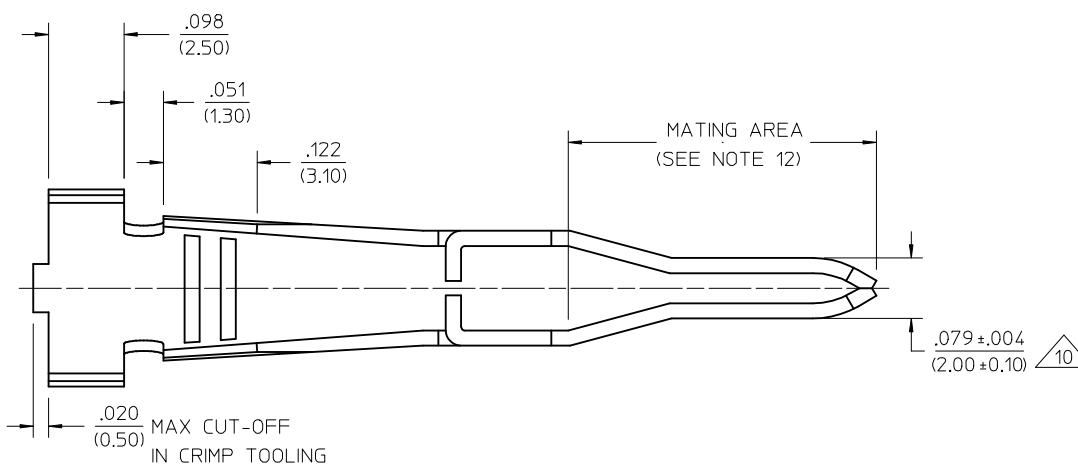
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METRIC WIRE IEC NO: UCP2015-5009 DRWN: J.MONT 2015/05/28 CHKD: B.ANDERSON 2015/05/28 APPR: F.S.MITH 2015/06/04	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm	INCH	IN/MM	8:1	METRIC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

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.

③ 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							