



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!



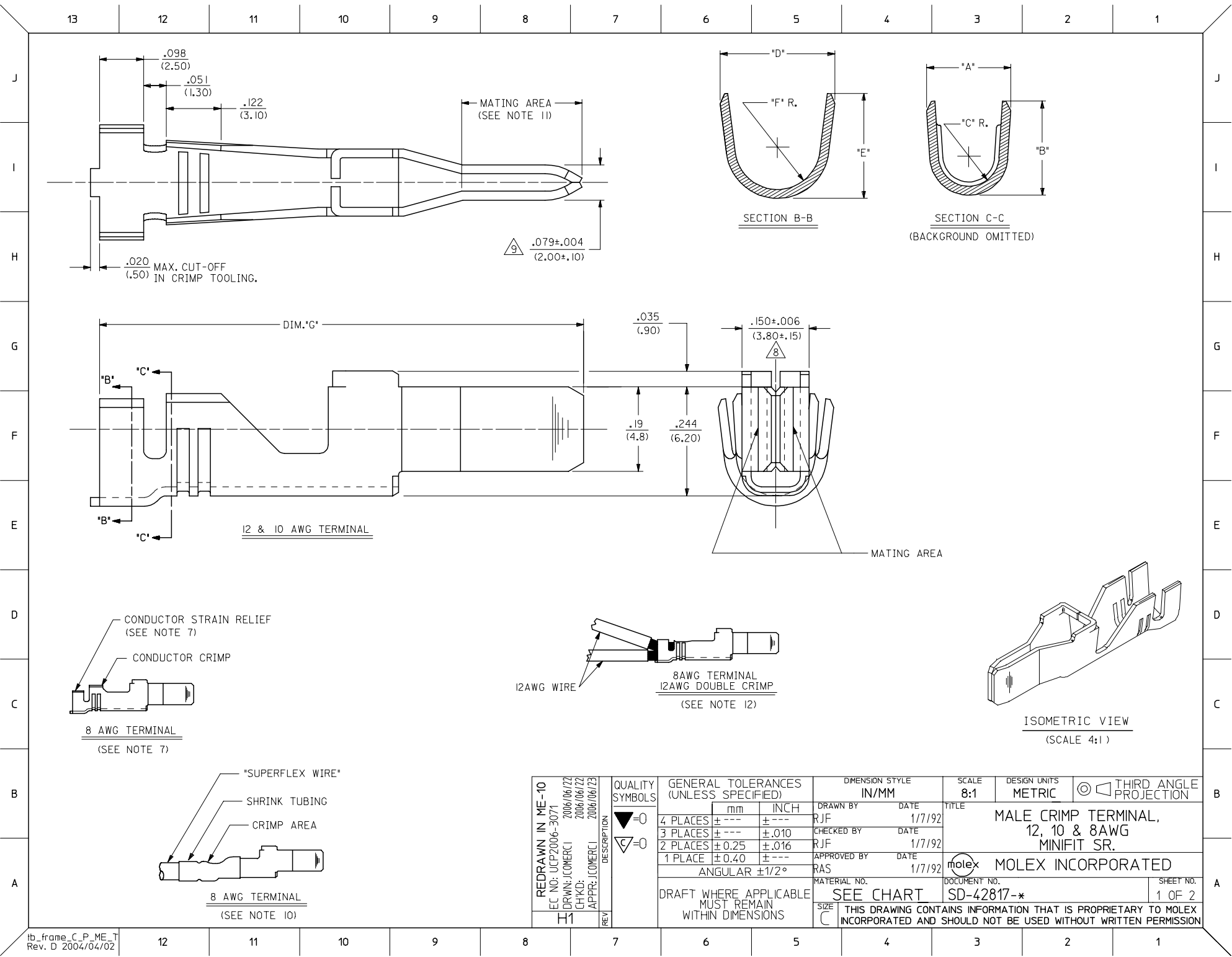
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





REDRAWN IN ME-10 FC NO: UCP2006-3071 DRWN: JCOMERC CHKD: 2006/06/22 APPR: JCOMERC H1	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		▽=0	mm	IN/MM	8:1	METRIC	☉
		▽=0	INCH				
			4 PLACES ± --- ± ---				

DRWN BY	DATE	TITLE
RJF	1/7/92	MALE CRIMP TERMINAL, 12, 10 & 8AWG MINIFIT SR.
CHECKED BY	DATE	
RJF	1/7/92	
APPROVED BY	DATE	
RAS	1/7/92	
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
	SD-42817-*	1 OF 2

SEE CHART

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

MOLEX INCORPORATED

SD-42817-*

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
42817-0011	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 _R (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 _R (2.20)	1.087 (27.60)	.209 (5.30) DIA.	OVERALL TIN
42817-0031	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 _R (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 _R (2.20)	1.087 (27.60)	.260 (6.60) DIA.	
42817-0111	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 _R (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 _R (2.20)	1.165 (29.60)	.209 (5.30) DIA.	
42817-0131	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 _R (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 _R (2.20)	1.165 (29.60)	.260 (6.60) DIA.	
42817-0012	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 _R (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 _R (2.20)	1.087 (27.60)	.209 (5.30) DIA.	
42817-0032	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 _R (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 _R (2.20)	1.087 (27.60)	.260 (6.60) DIA.	
42817-0112	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 _R (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 _R (2.20)	1.165 (29.60)	.209 (5.30) DIA.	SELECT GOLD
42817-0132	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 _R (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 _R (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.

* THE PRIMARY SHIPPING CARTON WILL BE LABELED
COMPLIANT TO ROHS DIRECTIVE 2002/95/EC
AND ELV ANNEX II OF DIRECTIVE 2000/53/EC.
CARTONS WITHOUT THIS LABEL MAY CONTAIN
PRODUCT WITH TIN-LEAD.

1) 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.

2) THE 8AWG TERMINAL WILL ALSO ACCOMMODATE 2 I2AWG WIRES
SEE CRIMP SPEC FOR DETAILS.

3) CRIMP SPECS.:
638210000 FOR 10AWG & 12AWG
638300000 FOR 8AWG, 8AWG HI-FLEX & DOUBLE 12AWG

- 3) PRODUCT SPEC.: PS-42815-001
- 4) PART IS DESIGNED IN METRIC.
- 5) TERMINALS FOR USE WITH STRANDED WIRE ONLY.
- 6) ITEM NUMBERS PRECEDED BY AN "X" IN THE CHART ARE NOT AVAILABLE.
- 7) 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.

- 8) AFTER CRIMPING, THIS DIMENSION IS .140/(3.55) MINIMUM.
- 9) AFTER CRIMPING, THIS DIMENSION IS .089/(2.25) MAXIMUM.

10) 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.

SEE SHEET 1 FC NO: UICP2006-3071 DRAWN: JCOMERC 2006/06/22 CHKD: 2006/06/22 APPR: JCOMERC 2006/06/23 H1	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				IN/MM		---	METRIC				
				mm	INCH	DRAWN BY	DATE	TITLE			
				4 PLACES ± --- ± ---		GEP	1/10/95	MALE CRIMP TERMINAL 10-12 AWG AND 8 AWG MINIFIT SR. SERIES			
		3 PLACES ± --- ± .010		CHECKED BY	DATE	MOLEX INCORPORATED					
		2 PLACES ± 0.25 ± .016		RJF	1/10/95						
		1 PLACE ± 0.40 ± ---		APPROVED BY	DATE						
		ANGULAR ±1/2°		RAS	1/10/95						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MATERIAL NO. DOCUMENT NO.		SHEET NO.			
						SD-42817-*		2 OF 2			
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