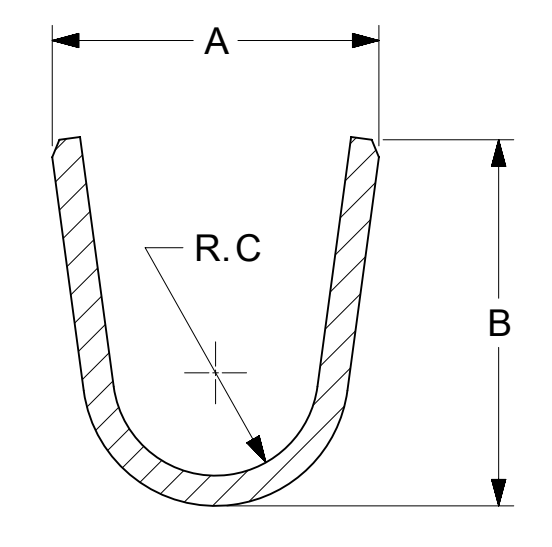
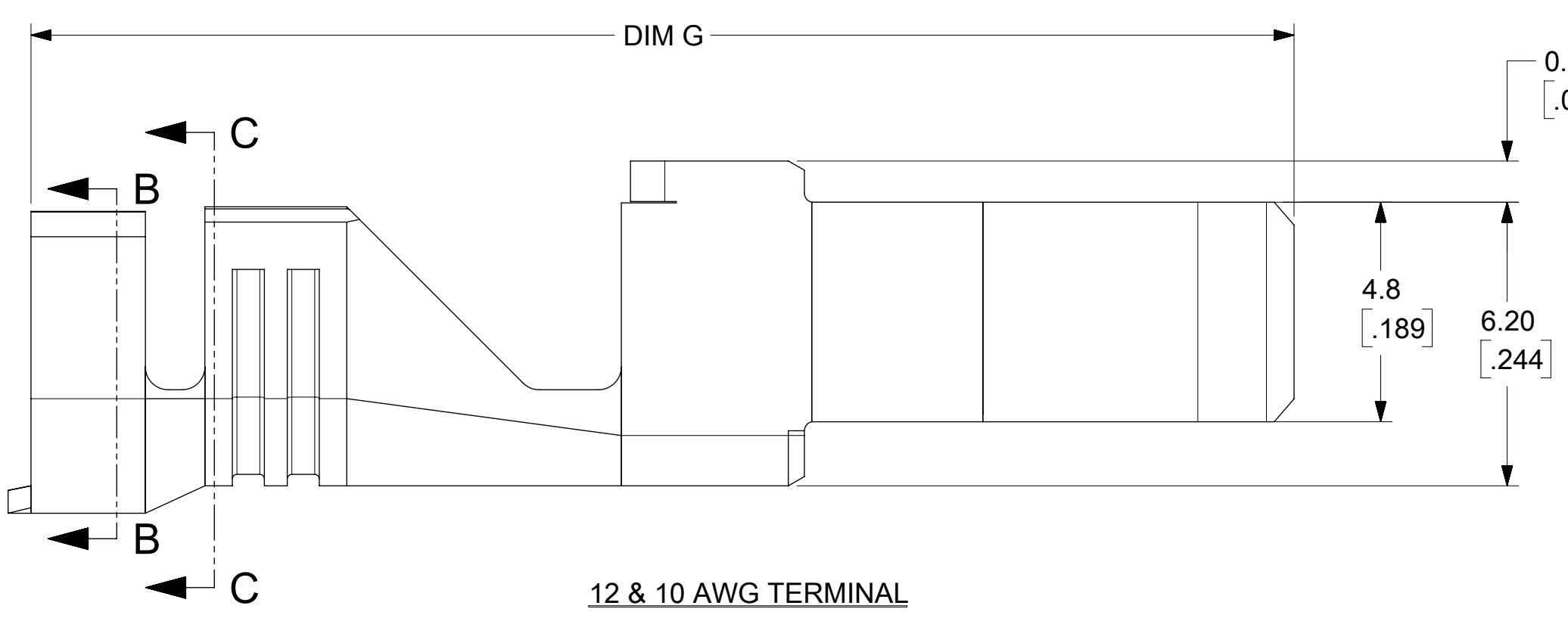


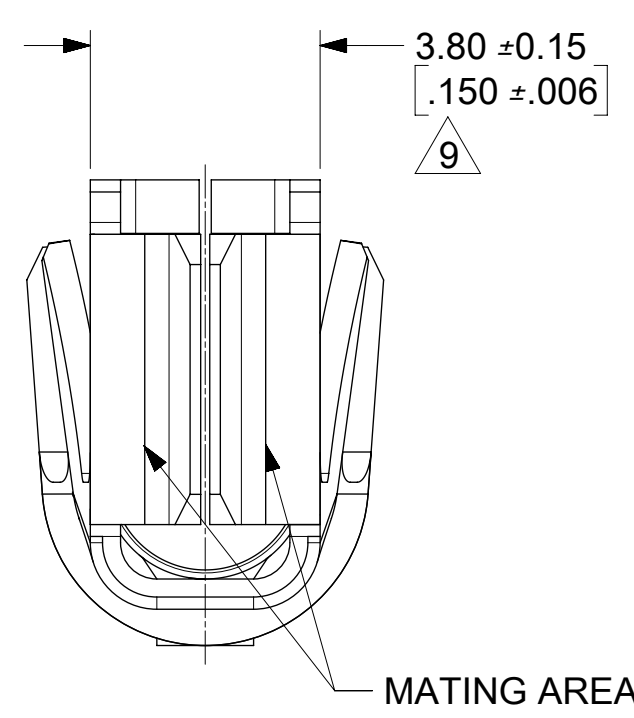
SECTION B-B



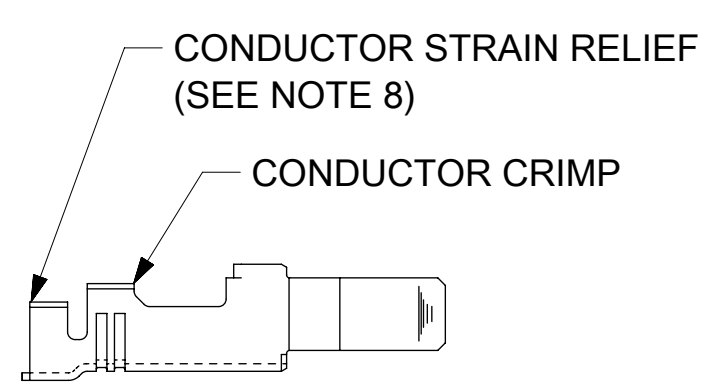
SECTION C-C
(BACKGROUND OMITTED)



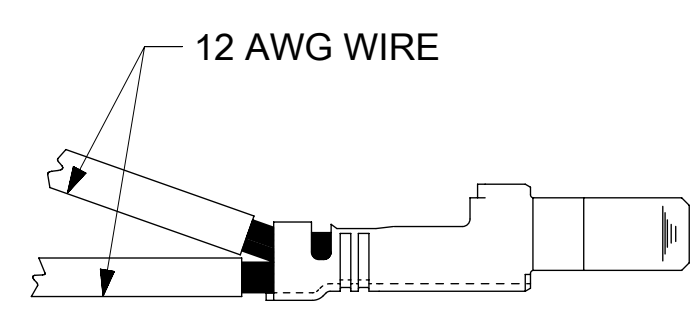
12 & 10 AWG TERMINAL



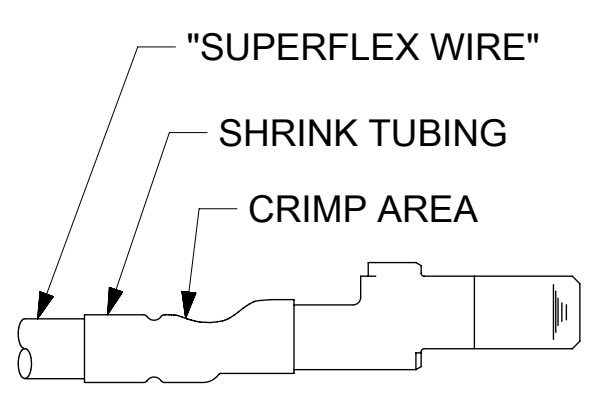
MATING AREA



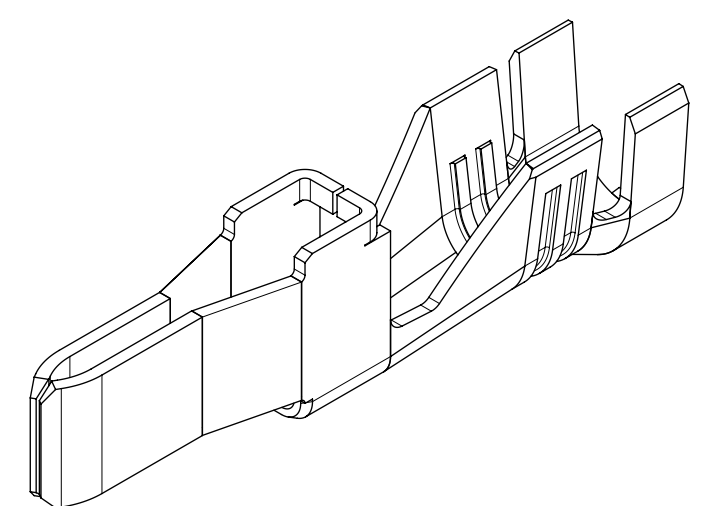
8 AWG TERMINAL
(SEE NOTE 8)



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



8 AWG TERMINAL
(SEE NOTE 11)



ISOMETRIC VIEW
(SCALE 4:1)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: REPLACES SD-42817-*					
MM/IN		8:1		<p>molex</p> <p>MALE CRIMP TERMINAL, 12, 10 & 8AWG MINI-FIT SR.</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: 428170000-SD DOC TYPE: PSD DOC PART: 000 REVISION: A1</p> <p>MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 2</p>					
GENERAL TOLERANCES (UNLESS SPECIFIED)									
4 PLACES	±		±						
3 PLACES	±		± 0.1						
2 PLACES	±	0.25	± 0.16						
1 PLACE	±	0.4	±						
0 PLACES	±		±	EC NO: 612616		DRWN: SGANGADHARDO 2019/02/22		CHK'D: SGANGADHARDO 2019/02/22	
ANGULAR TOL ± 0.5°				APPR: ISHWARG 2019/02/25		INITIAL REVISION:		DRWN: RJF 1992/07/01	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
				C-SIZE		42817			

THIS DOCUMENT HAS BEEN RE-ISSUED BASED ON SD-42817-*, REV J.


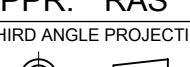
DOCUMENT STATUS	P1	RELEASE DATE	2019/02/25	05:13:54
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ITEM NUMBER	WIRE RANGE	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	DIM. G	MAX. INSULATION DIAMETER	PLATING	STATUS
428170011	12 & 10 AWG (5 & 6mm ²)	5.40±.60 [.213±.024]	6.10±.40 [.240±.016]	R 1.70 [.067]	5.90±.60 [.232±.024]	6.60±.40 [.260±.016]	R. 2.20 [.087]	27.60 [1.087]	5.30 DIA. [.209]	OVERALL TIN	PLANNED FOR OBSOLESCENCE
428170031	8 AWG	5.83±.60 [.229±.024]	7.42±.40 [.292±.016]	R 1.70 [.067]	6.00±.60 [.236±.024]	5.50±.40 [.216±.016]	R. 2.20 [.087]	27.60 [1.087]	6.60 DIA. [.260]		
428170111	12 & 10 AWG (5 & 6mm ²)	5.40±.60 [.213±.024]	6.10±.40 [.240±.016]	R 1.70 [.067]	5.90±.60 [.232±.024]	6.60±.40 [.260±.016]	R. 2.20 [.087]	29.60 [1.165]	5.30 DIA. [.209]		
428170131	8 AWG	5.83±.60 [.229±.024]	7.42±.40 [.292±.016]	R 1.70 [.067]	6.00±.60 [.236±.024]	5.50±.40 [.216±.016]	R. 2.20 [.087]	29.60 [1.165]	6.60 DIA. [.260]	SELECT GOLD	ACTIVE
428170012	12 & 10 AWG (5 & 6mm ²)	5.40±.60 [.213±.024]	6.10±.40 [.240±.016]	R 1.70 [.067]	5.90±.60 [.232±.024]	6.60±.40 [.260±.016]	R. 2.20 [.087]	27.60 [1.087]	5.30 DIA. [.209]		
428170032	8 AWG	5.83±.60 [.229±.024]	7.42±.40 [.292±.016]	R 1.70 [.067]	6.00±.60 [.236±.024]	5.50±.40 [.216±.016]	R. 2.20 [.087]	27.60 [1.087]	6.60 DIA. [.260]		
428170112	12 & 10 AWG (5 & 6mm ²)	5.40±.60 [.213±.024]	6.10±.40 [.240±.016]	R 1.70 [.067]	5.90±.60 [.232±.024]	6.60±.40 [.260±.016]	R. 2.20 [.087]	29.60 [1.165]	5.30 DIA. [.209]	SELECT SILVER	ACTIVE
428170132	8 AWG	5.83±.60 [.229±.024]	7.42±.40 [.292±.016]	R 1.70 [.067]	6.00±.60 [.236±.024]	5.50±.40 [.216±.016]	R. 2.20 [.087]	29.60 [1.165]	6.60 DIA. [.260]		
428171014	12 & 10 AWG (5 & 6mm ²)	5.40±.60 [.213±.024]	6.10±.40 [.240±.016]	R 1.70 [.067]	5.90±.60 [.232±.024]	6.60±.40 [.260±.016]	R. 2.20 [.087]	27.60 [1.087]	5.30 DIA. [.209]		
428171034	8 AWG	5.83±.60 [.229±.024]	7.42±.40 [.292±.016]	R 1.70 [.067]	6.00±.60 [.236±.024]	5.50±.40 [.216±.016]	R. 2.20 [.087]	27.60 [1.087]	6.60 DIA. [.260]	SELECT SILVER	ACTIVE
428171114	12 & 10 AWG (5 & 6mm ²)	5.40±.60 [.213±.024]	6.10±.40 [.240±.016]	R 1.70 [.067]	5.90±.60 [.232±.024]	6.60±.40 [.260±.016]	R. 2.20 [.087]	29.60 [1.165]	5.30 DIA. [.209]		
428171134	8 AWG	5.83±.60 [.229±.024]	7.42±.40 [.292±.016]	R 1.70 [.067]	6.00±.60 [.236±.024]	5.50±.40 [.216±.016]	R. 2.20 [.087]	29.60 [1.165]	6.60 DIA. [.260]		

NOTES:

- MATERIAL: COPPER ALLOY 151, .020/(.50) THICK.
- PLATING:
 - .000100/(.00254) MIN. TIN OVER
.000050/(.00127) MIN. NICKEL.
 - .000030/(.00076) MIN. SELECT GOLD IN CONTACT AREA.
.000100/(.00254) MIN. SELECT TIN ON SOLDER TAILS
OVER .000050/(.00127) MIN. NICKEL.
 - .000100/(.00254) MINIMUM SELECT SILVER IN CONTACT AREA.
.000100/(.00254) MIN. SELECT TIN ON SOLDER TAILS
OVER .000050/(.00127) MIN. NICKEL.
- PRODUCT SPEC: PS-42815-001.
- PACKAGING INFORMATION: PK-42815-001.
- PART IS DESIGNED IN METRIC.
- TERMINALS FOR USE WITH STRANDED WIRE ONLY.
- ITEM NUMBERS PRECEDED BY AN "X" IN THE CHART ARE NOT AVAILABLE.
- 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.
- AFTER CRIMPING, THIS DIMENSION IS .140/(3.55) MINIMUM.
- AFTER CRIMPING, THIS DIMENSION IS .089/(2.25) MINIMUM.
- 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.

- 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.
- THE 8 AWG TERMINAL WILL ALSO ACCOMODATE 2 12 AWG WIRES SEE CRIMP SPEC FOR DETAILS.
- THIS DRAWING REPLACES SD-42817-*, REV J AND 428170000 REV. A.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE		CURRENT REV/DESC: REPLACES SD-42817-*							
MM/IN		8:1		 MALE CRIMP TERMINAL, 12, 10 & 8AWG MINI-FIT SR.							
GENERAL TOLERANCES (UNLESS SPECIFIED)											
		MM	INCH	EC NO: 612616 DRWN: SGANGADHARDO 2019/02/22 CHK'D: SGANGADHARDO 2019/02/22 APPR: ISHWARG 2019/02/25							
4 PLACES		±	±	PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: 428170000-SD DOC TYPE: PSD DOC PART: 000 REVISION: A1							
3 PLACES		±	± 0.1								
2 PLACES		± 0.25	± 0.16	INITIAL REVISION: DRWN: RJF 1992/07/01 APPR: RAS 1992/07/01							
1 PLACE		± 0.4	±								
0 PLACES		±	±	MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 2							
ANGULAR TOL		± 0.5 °									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
						C-SIZE		42817		SEE CHART	