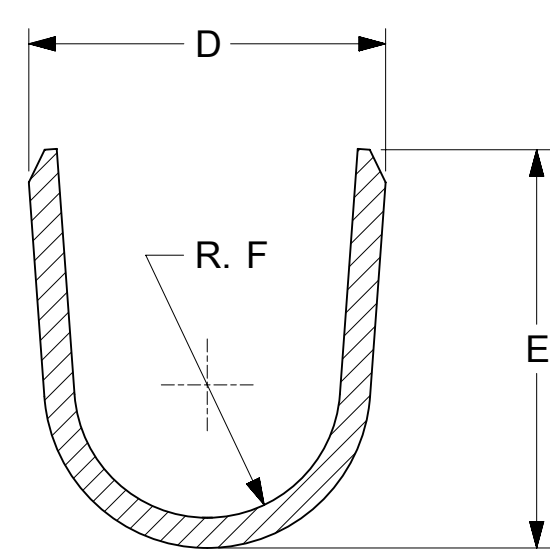
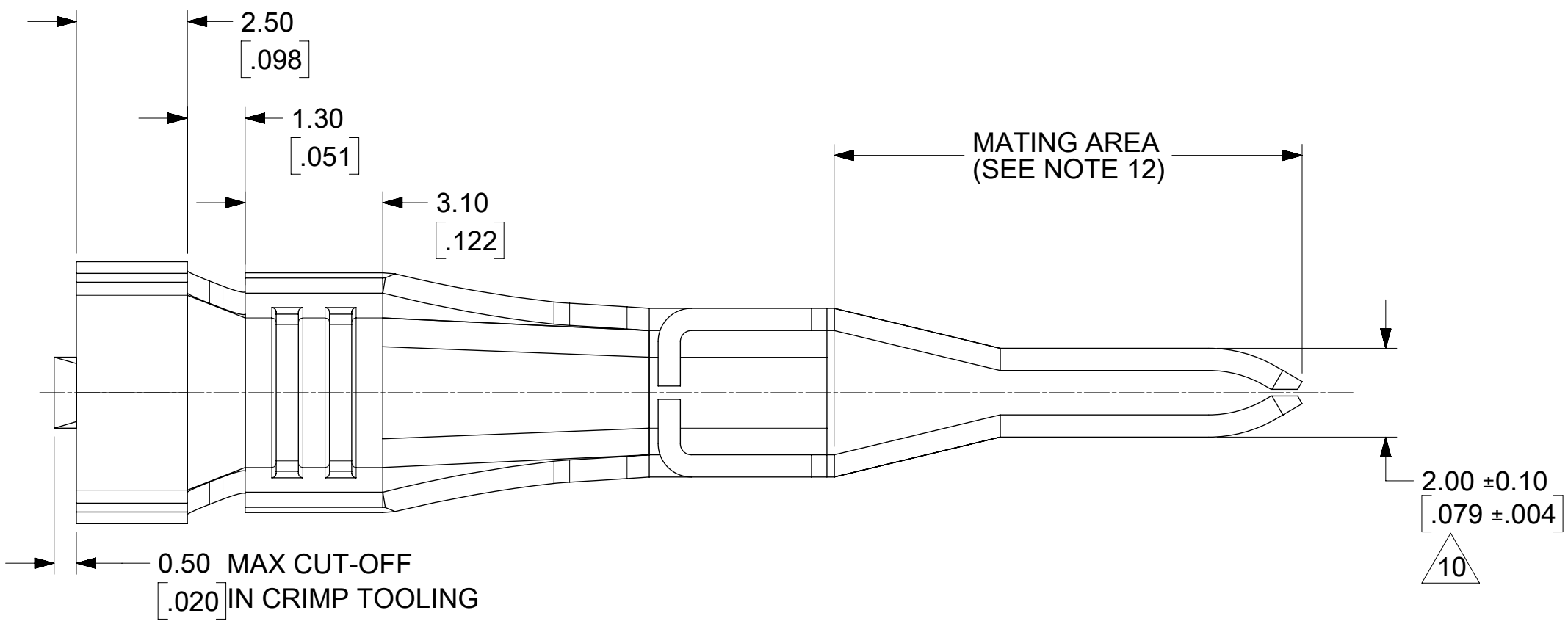
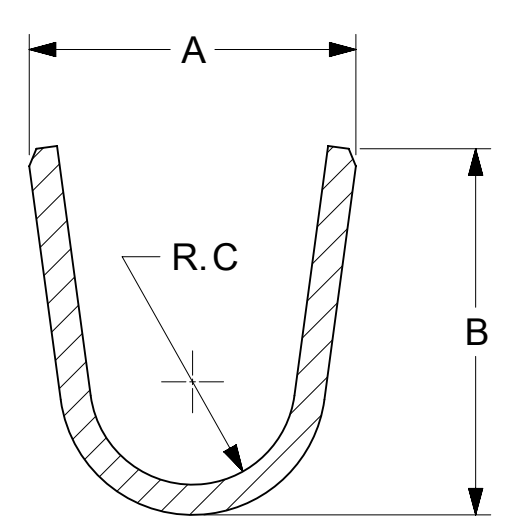
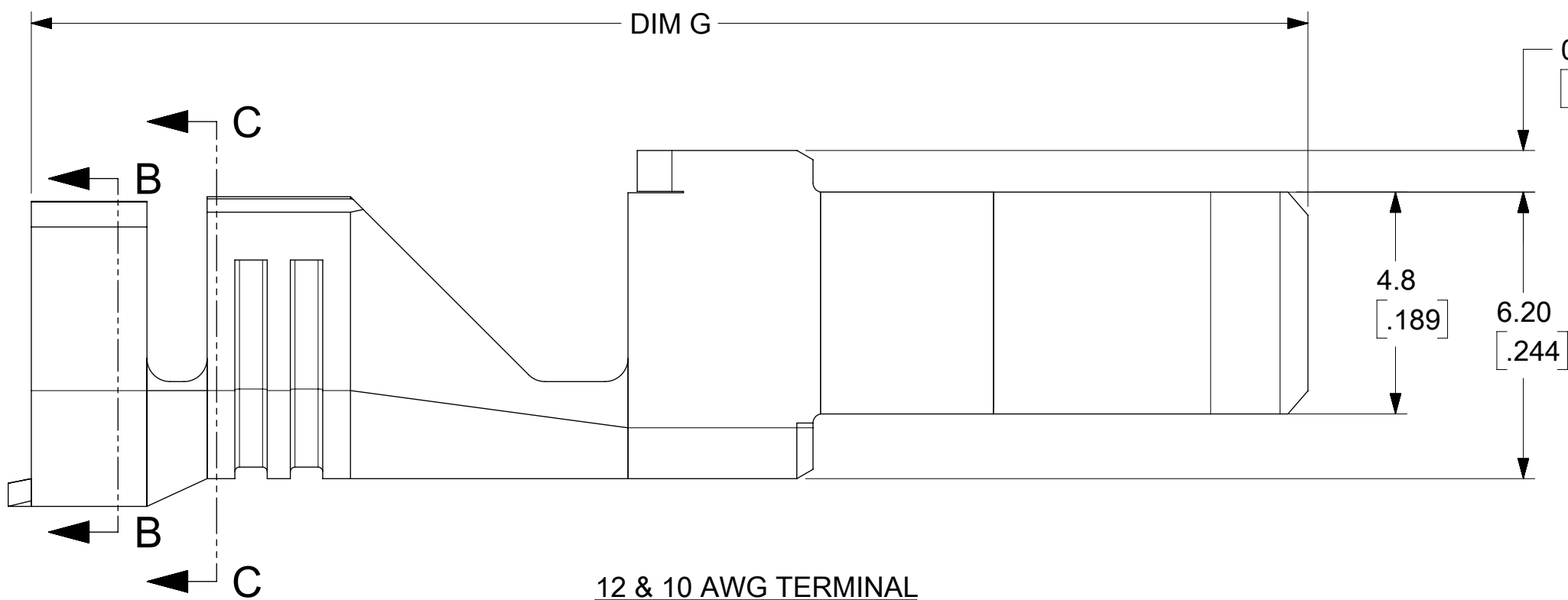




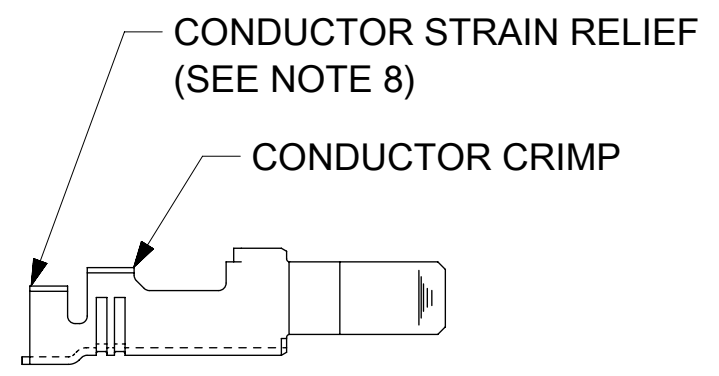
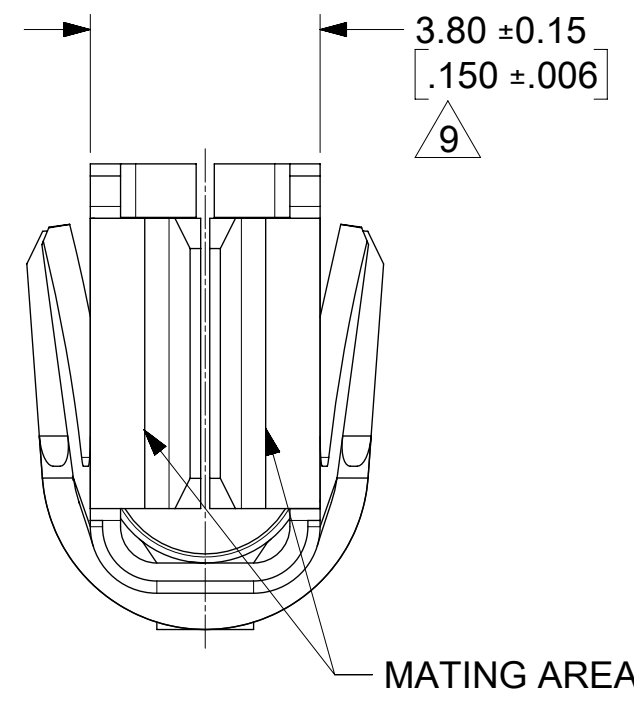
SECTION B-B



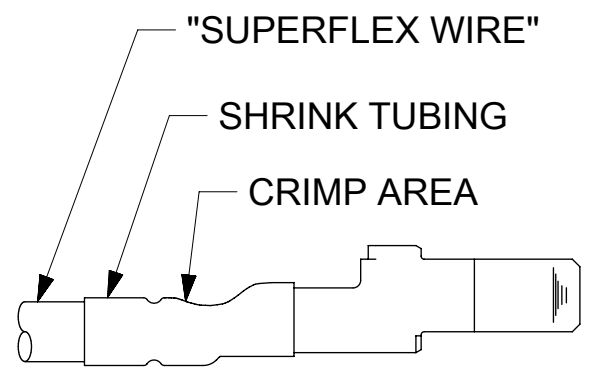
SECTION C-C
(BACKGROUND OMITTED)



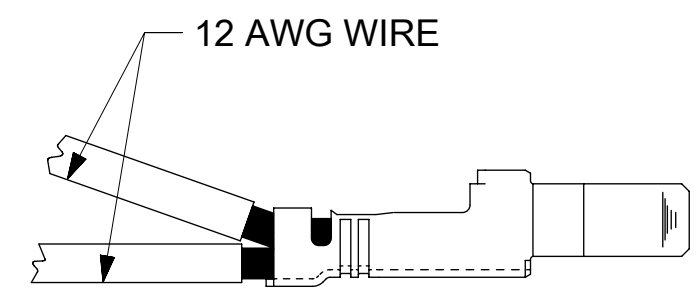
12 & 10 AWG TERMINAL



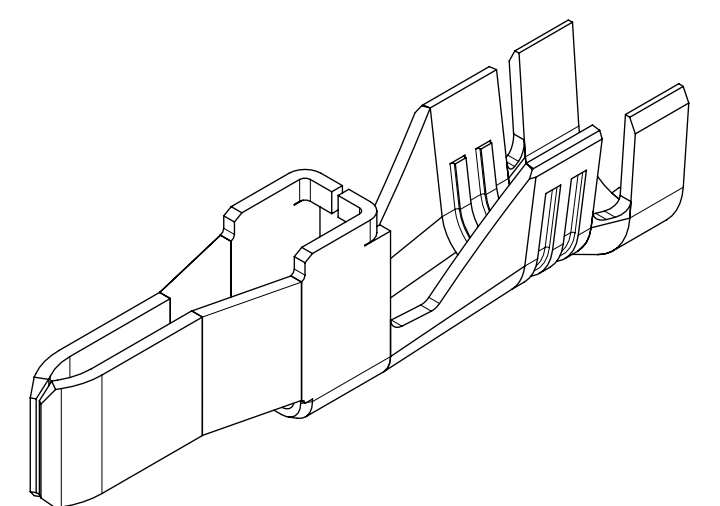
8 AWG TERMINAL
(SEE NOTE 8)



8 AWG TERMINAL
(SEE NOTE 11)



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



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:				molex			
MM/IN		8:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 703014 DRWN: SHRUTJ2022/04/12 CHK'D: SHRUTJ2022/04/12 APPR: ISHWARG2022/04/12 INITIAL REVISION: DRWN: RJF1992/07/01 APPR: RAS1992/07/01				MALE CRIMP TERMINAL, 12, 10 & 8AWG MINI-FIT SR.			
	MM	INCH									
4 PLACES	±	±									
3 PLACES	±	± 0.01									
2 PLACES	± 0.25	± 0.016									
1 PLACE	± 0.4	±									
0 PLACES	±	±									
ANGULAR TOL ± 0.5 °								PRODUCT CUSTOMER DRAWING			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
		C-SIZE		42817		428170000-SD		PSD	000	A2	
						MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						SEE CHART		GENERAL MARKET		1 OF 2	

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

DOCUMENT STATUS	P1	RELEASE DATE	2022/04/12	10:32:37
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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												
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]														
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]	SELECT GOLD	ACTIVE												
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]														
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]	SELECT SILVER	ACTIVE												
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]														
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:

- 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.
- 14) THIS DRAWING REPLACES SD-42817-*, REV J AND 428170000 REV. A.

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DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex				
MM/IN		8:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)								MALE CRIMP TERMINAL, 12, 10 & 8AWG MINI-FIT SR.				
MM		INCH										
4 PLACES	±		±	EC NO: 703014				PRODUCT CUSTOMER DRAWING				
3 PLACES	±		± 0.01	DRWN: SHRUTJ 2022/04/12								
2 PLACES	±	0.25	± 0.016	CHK'D: SHRUTJ 2022/04/12								
1 PLACE	±	0.4	±	APPR: ISHWARG 2022/04/12				DOCUMENT NUMBER 428170000-SD				
0 PLACES	±			INITIAL REVISION:								
ANGULAR TOL		±	0.5 °	DRWN: RJF 1992/07/01				PSD	000	A2		
DRAWING				APPR: RAS 1992/07/01								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						C-SIZE	42817	SEE CHART		GENERAL MARKET		2 OF 2