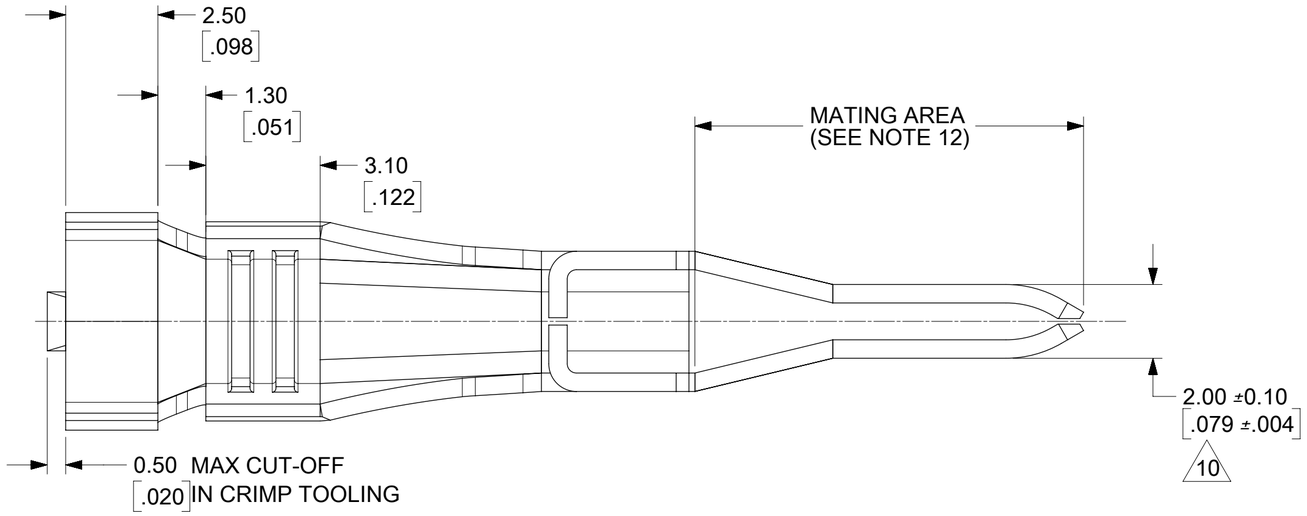
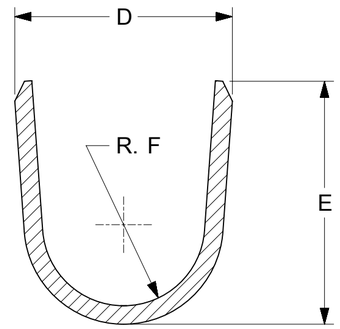
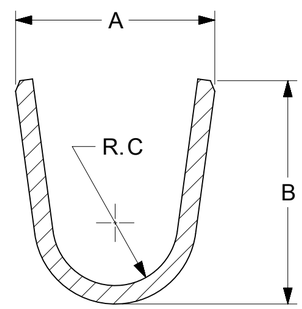
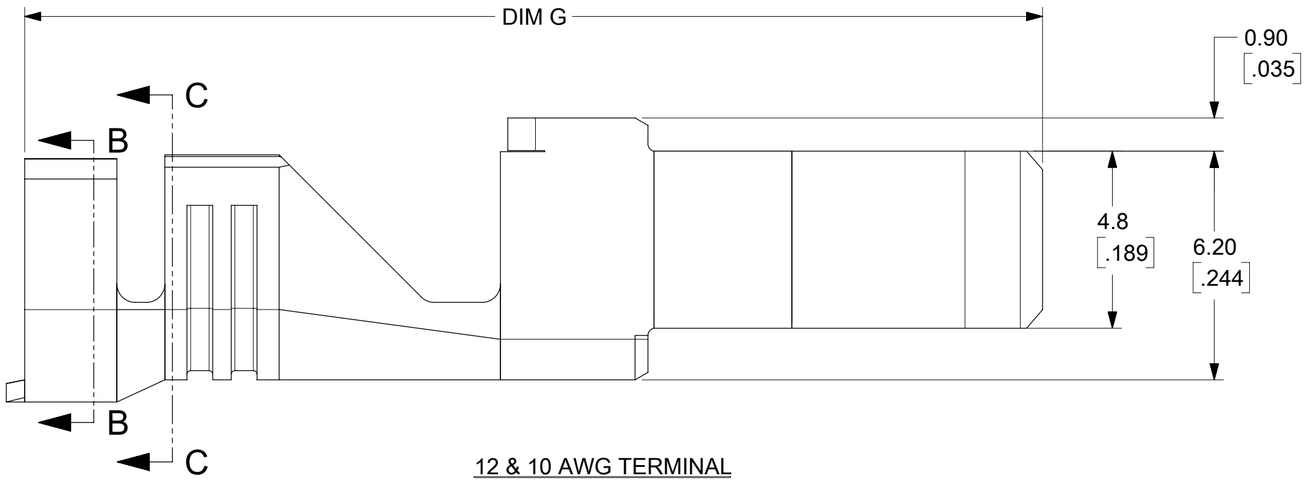




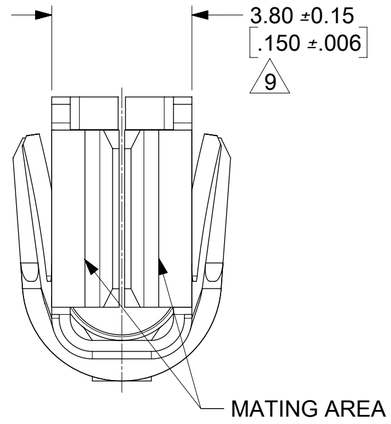
SECTION B-B

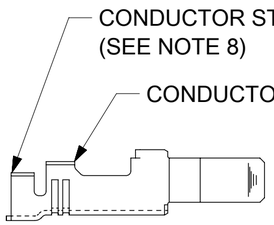


SECTION C-C
(BACKGROUND OMITTED)

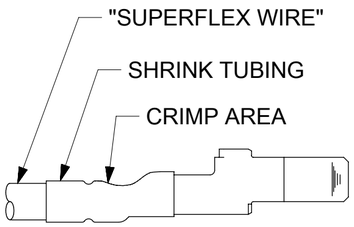


12 & 10 AWG TERMINAL

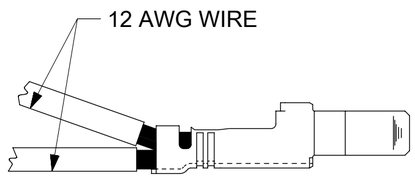




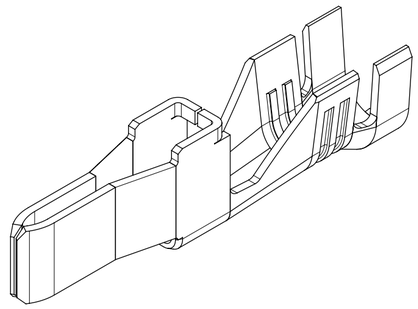
8 AWG TERMINAL
(SEE NOTE 8)



8 AWG TERMINAL
(SEE NOTE 11)



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



ISOMETRIC VIEW
(SCALE 4:1)

DIMENSION UNITS	SCALE
MM/IN	8:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.1
2 PLACES	± 0.25	± 0.16
1 PLACE	± 0.4	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REPLACES SD-42817-*

EC NO: 612616

DRWN:	SGANGADHARDO	2019/02/22
CHK'D:	SGANGADHARDO	2019/02/22
APPR:	ISHWARG	2019/02/25

INITIAL REVISION:

DRWN:	RJF	1992/07/01
APPR:	RAS	1992/07/01

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 42817

molex

MALE CRIMP TERMINAL, 12, 10 & 8AWG
MINI-FIT SR.

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
428170000-SD	PSD	000	A1

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	2019/02/25 05:13:54

FORMAT: Eng-lega-master-tb-prod-C
REVISION: D
DATE: 2018/01/18

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 PRECEEDED 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.

DIMENSION UNITS	SCALE
MM/IN	8:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.1
2 PLACES	± 0.25	± 0.16
1 PLACE	± 0.4	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REPLACES SD-42817-*

EC NO: 612616
DRWN: SGANGADHARDO 2019/02/22
CHK'D: SGANGADHARDO 2019/02/22
APPR: ISHWARG 2019/02/25

INITIAL REVISION:
DRWN: RJF 1992/07/01
APPR: RAS 1992/07/01

molex

MALE CRIMP TERMINAL, 12, 10 & 8AWG
MINI-FIT SR.

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
428170000-SD	PSD	000	A1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	42817	SEE CHART	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/25 05:13:54

FORMAT: Eng-lega-master-tb-prod-C
REVISION: D
DATE: 2018/01/18

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