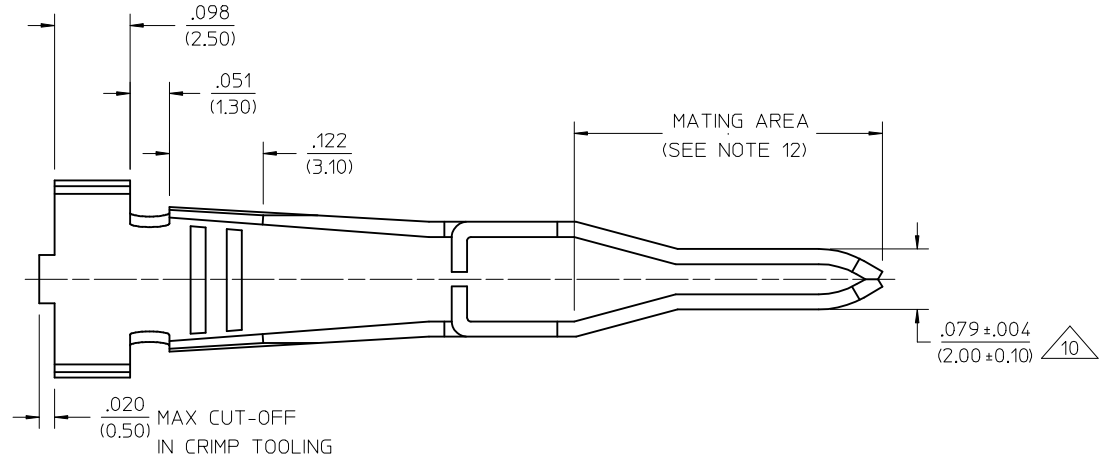
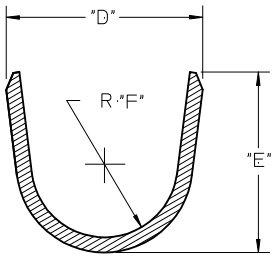
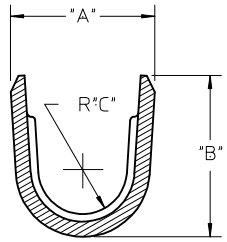
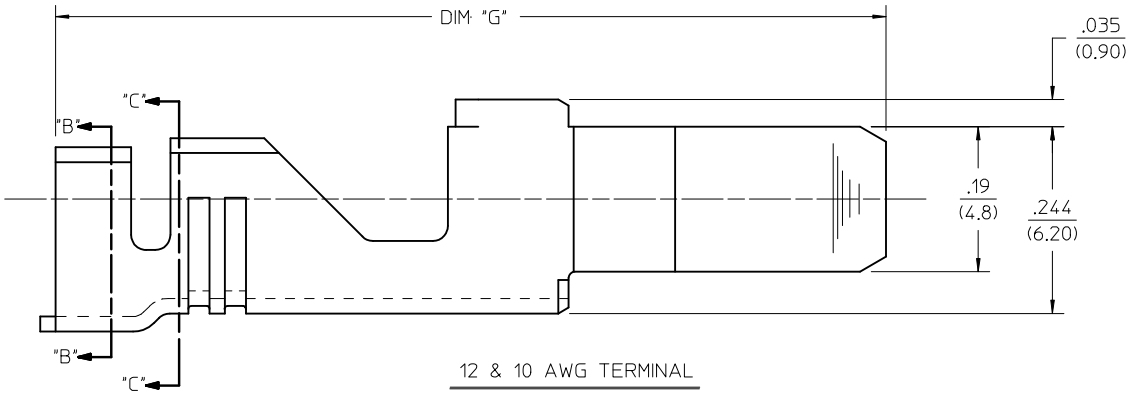




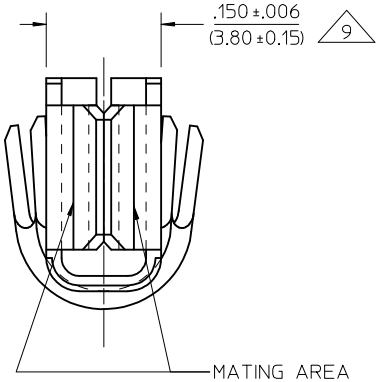
SECTION B-B

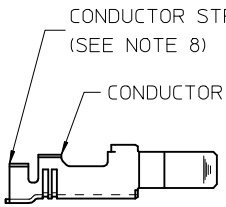


SECTION C-C
(BACKGROUND OMITTED)

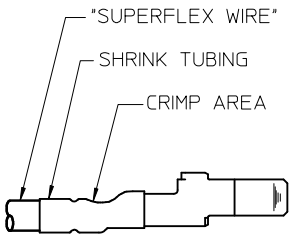


12 & 10 AWG TERMINAL

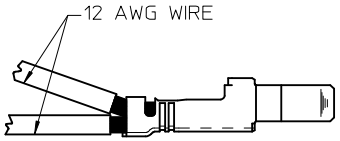




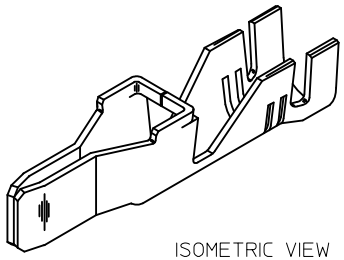
8 AWG TERMINAL
(SEE NOTE 8)



8 AWG TERMINAL
(SEE NOTE 11)



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



ISOMETRIC VIEW
(SCALE 4:1)

TRANSFER TO INDIA
EC NO: UCP2018-0347 2017/08/28
DRWN: JSCHAFER
CH'KD:
APPR: FSMITH 2017/09/21
DESCRIPTION
REV

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .016
1 PLACE	± 0.40	± ---
0 PLACE	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	IN/MM
SCALE	8:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	RJF
DATE	1/7/92
CHECKED BY	RJF
DATE	1/7/92
APPROVED BY	RAS
DATE	1/7/92
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SD-42817-*
SHEET NO.	1 OF 2
SIZE	C

TITLE
MALE CRIMP TERMINAL,
12, 10 & 8AWG
MINIFIT SR.

molex

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

ITEM NUMBER	WIRE RANGE	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	DIM. G	MAX. INSULATION DIAMETER	PLATING	STATUS
42817-0011	12 & 10 AWG (5 & 6mm²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R.087 (2.20)	1.087 (27.60)	.209 (5.30) DIA.	OVERALL TIN	PLANNED FOR OBSOLESCENCE
42817-0031	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R.087 (2.20)	1.087 (27.60)	.260 (6.60) DIA.		
42817-0111	12 & 10 AWG (5 & 6mm²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R.087 (2.20)	1.165 (29.60)	.209 (5.30) DIA.		
42817-0131	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R.087 (2.20)	1.165 (29.60)	.260 (6.60) DIA.		
42817-0012	12 & 10 AWG (5 & 6mm²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R.087 (2.20)	1.087 (27.60)	.209 (5.30) DIA.	SELECT GOLD	ACTIVE
42817-0032	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R.087 (2.20)	1.087 (27.60)	.260 (6.60) DIA.		
42817-0112	12 & 10 AWG (5 & 6mm²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R.087 (2.20)	1.165 (29.60)	.209 (5.30) DIA.		
42817-0132	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R.087 (2.20)	1.165 (29.60)	.260 (6.60) DIA.		
42817-1014	12 & 10 AWG (5 & 6mm²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R.087 (2.20)	1.087 (27.60)	.209 (5.30) DIA.	SELECT SILVER	ACTIVE
42817-1034	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R.087 (2.20)	1.087 (27.60)	.260 (6.60) DIA.		
42817-1114	12 & 10 AWG (5 & 6mm²)	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	R.067 (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	R.087 (2.20)	1.165 (29.60)	.209 (5.30) DIA.		
42817-1134	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	R.067 (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	R.087 (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.
   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.

SEE SHEET 1
EC NO: UCP2018-0347 2017/08/28
DRWN: JSCHAFER
CHK'D:
APPR: FSMITH 2017/09/21
DESCRIPTION
REV

QUALITY SYMBOLS
F =0
F =0
F =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .016
1 PLACE	± 0.40	± ---
0 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 8:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: RJF DATE: 1/7/92
CHECKED BY: RJF DATE: 1/7/92
APPROVED BY: RAS DATE: 1/7/92

TITLE: MALE CRIMP TERMINAL, 12, 10 & 8AWG MINIFIT SR.

molex

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-42817-*
SHEET NO.: 2 OF 2

SIZE: C

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