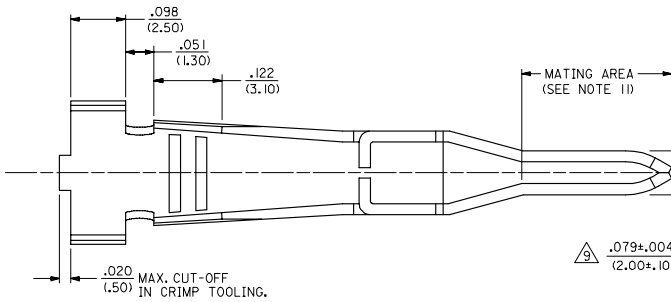
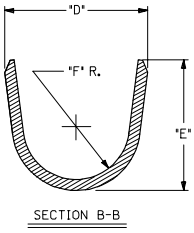
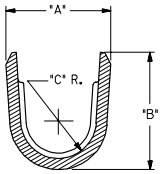
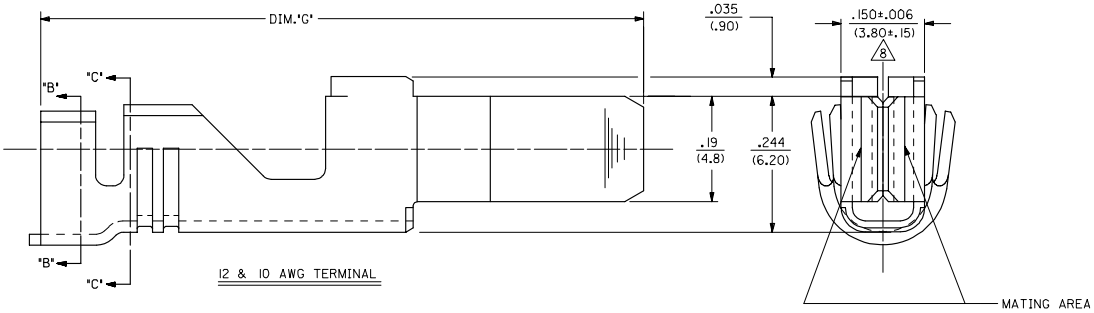




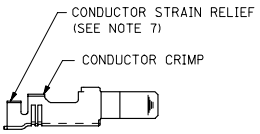
SECTION B-B



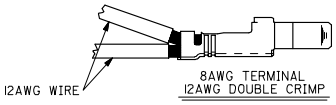
SECTION C-C
(BACKGROUND OMITTED)



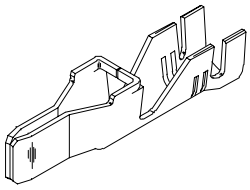
12 & 10 AWG TERMINAL



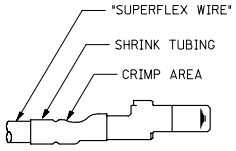
8 AWG TERMINAL
(SEE NOTE 7)



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



ISOMETRIC VIEW
(SCALE 4:1)



8 AWG TERMINAL
(SEE NOTE 10)

REDRAWN IN ME-10 2006/06/22
EC NO: UCP2006-3071 2006/06/22
DRWN: JCOMERCI 2006/06/22
CHKD: 2006/06/23
APPR: JCOMERCI
DESCRIPTION
REV H1

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

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 MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-42817-*
SHEET NO.: 1 OF 2

SIZE C

tb_frame_C_P_ME_T
Rev. D 2004/04/02

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

3) PRODUCT SPEC.: PS-42815-001

4) PART IS DESIGNED IN METRIC.

5) TERMINALS FOR USE WITH STRANDED WIRE ONLY.

6) ITEM NUMBERS PRECEEDED 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.

11) WHEN USING OVERALL TIN PLATED TERMINALS. FOR APPLICATIONS INVOLVING VIBRATION AND/OR THERMAL CYCLING, MOLEX STRONGLY RECOMMENDSTHE 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.

12) THE 8AWG TERMINAL WILL ALSO ACCDMODATE 2 12AWG WIRES SEE CRIMP SPEC FOR DETAILS.

13) CRIMP SPECS.:
   63810000 FOR 10AWG & 12AWG
   63830000 FOR 8AWG, 8AWG HI-FLEX & DOUBLE 12AWG

SEE SHEET 1
EC NO: UCP2006-3071 2006/06/22
DRWN: JCOMERCI 2006/06/22
CHKD: 2006/06/23
APPR: JCOMERCI

REV | DESCRIPTION

H1

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: GEP DATE: 1/10/95
CHECKED BY: RJF DATE: 1/10/95
APPROVED BY: RAS DATE: 1/10/95

TITLE: MALE CRIMP TERMINAL 10-12 AWG AND 8 AWG MINIFIT SR. SERIES

MOLEX INCORPORATED

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

SIZE: C