

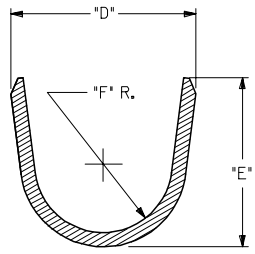
13 12 11 10 9 8 7 6 5 4 3 2 1

J
I
H
G
F
E
D
C
B
A

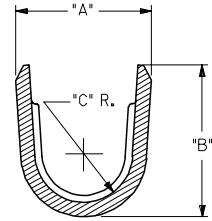
J
I
H
G
F
E
D
C
B
A

.098
(2.50)
.051
(1.30)
.122
(3.10)

MATING AREA
(SEE NOTE 11)



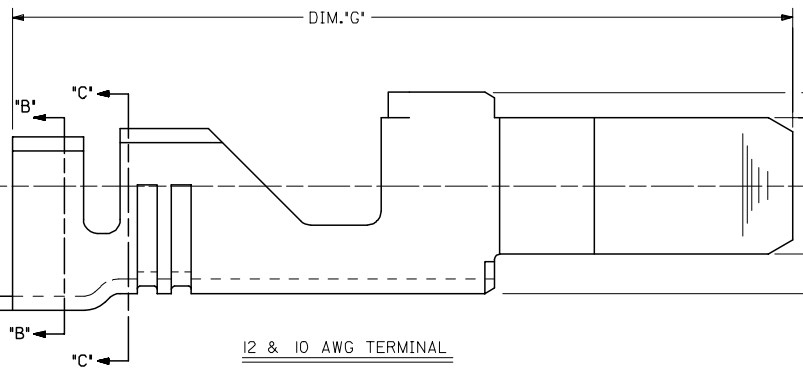
SECTION B-B



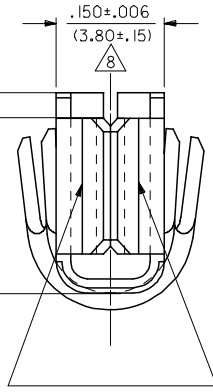
SECTION C-C
(BACKGROUND OMITTED)

9 .079±.004
(2.00±.10)

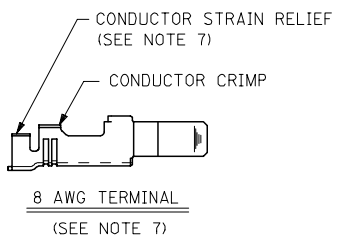
.020 MAX. CUT-OFF
(.50) IN CRIMP TOOLING.



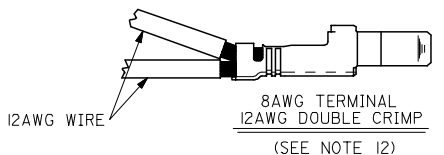
12 & 10 AWG TERMINAL



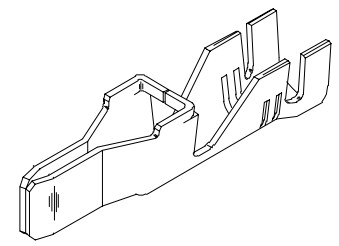
MATING AREA



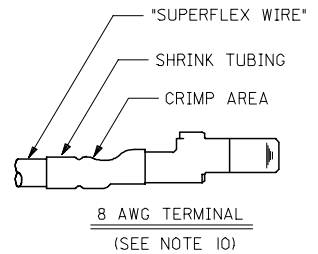
8 AWG TERMINAL
(SEE NOTE 7)



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
FC NO: UCP2006-3071	2006/06/22
DRWN: JCOMERC	2006/06/22
CHKD: JCOMERC	2006/06/22
APPR: JCOMERC	2006/06/22
REV	DESCRIPTION
H1	

QUALITY SYMBOLS	▽=0
	▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± .010	± .0004
3 PLACES ± .015	± .0006
2 PLACES ± 0.25	± .010
1 PLACE ± 0.40	± .016
ANGULAR ±1/2°	

DIMENSION STYLE	
IN/MM	
DRAWN BY	DATE
RJF	1/7/92
CHECKED BY	DATE
RJF	1/7/92
APPROVED BY	DATE
RAS	1/7/92

SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
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MALE CRIMP TERMINAL,
12, 10 & 8AWG
MINIFIT SR.

molex MOLEX INCORPORATED

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SEE CHART

SD-42817-* SHEET NO. 1 OF 2

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

12 11 10 9 8 7 6 5 4 3 2 1

	13	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			
J	42817-0011	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 R. (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 R. (2.20)	1.087 (27.60)	.209 DIA. (5.30)	OVERALL TIN			
	42817-0031	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 R. (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 R. (2.20)	1.087 (27.60)	.260 DIA. (6.60)				
I	42817-0111	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 R. (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 R. (2.20)	1.165 (29.60)	.209 DIA. (5.30)				
	42817-0131	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 R. (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 R. (2.20)	1.165 (29.60)	.260 DIA. (6.60)				
H	42817-0012	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 R. (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 R. (2.20)	1.087 (27.60)	.209 DIA. (5.30)		SELECT GOLD		
	42817-0032	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 R. (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 R. (2.20)	1.087 (27.60)	.260 DIA. (6.60)				
	42817-0112	12 & 10 AWG	.213±.024 (5.40±.60)	.240±.016 (6.10±.40)	.067 R. (1.70)	.232±.024 (5.90±.60)	.260±.016 (6.60±.40)	.087 R. (2.20)	1.165 (29.60)	.209 DIA. (5.30)				
	42817-0132	8 AWG	.229±.024 (5.83±.60)	.292±.016 (7.42±.40)	.067 R. (1.70)	.236±.024 (6.00±.60)	.216±.016 (5.50±.40)	.087 R. (2.20)	1.165 (29.60)	.260 DIA. (6.60)				

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.

1) 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.

2) THE 8AWG TERMINAL WILL ALSO ACCOMMODATE 2 I2AWG WIRES
SEE CRIMP SPEC FOR DETAILS.

3) CRIMP SPECS.:

638210000 FOR 10AWG & 12AWG
638300000 FOR 8AWG, 8AWG HI-FLEX & DOUBLE 12AWG

3) PRODUCT SPEC.: PS-42815-001

4) PART IS DESIGNED IN METRIC.

5) TERMINALS FOR USE WITH STRANDED WIRE ONLY.

6) ITEM NUMBERS PRECEDED 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.

SEE SHEET 1 FC NO: UICP2006-3071 DRAWN: JCOMERC CHKD: 2006/06/22 APPR: JCOMERC 2006/06/23	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		mm	INCH	DRAWN BY GEP	DATE 1/10/95	MALE CRIMP TERMINAL 10-12 AWG AND 8 AWG MINIFIT SR. SERIES molex MOLEX INCORPORATED				
		4 PLACES ± --- ± ---		CHECKED BY RJV	DATE 1/10/95					
		3 PLACES ± --- ± .010		APPROVED BY RAS	DATE 1/10/95					
2 PLACES ± 0.25 ± .016		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
1 PLACE ± 0.40 ± ---		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-42817-*		2 OF 2		
ANGULAR ±1/2°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								