



ADD ALT. GEOMETRY EC NO: UCT2011-0681 DRAWN BY: PFER CHECKED BY: SUSEK APPROVED BY: SMTH 2010/09/14 2011/02/23 2011/02/23	QUALITY SYMBOLS  	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES ±</td> <td>±.00</td> <td>±.000</td> </tr> <tr> <td>3 PLACES ±</td> <td>±.010</td> <td>±.001</td> </tr> <tr> <td>2 PLACES ±</td> <td>±.025</td> <td>±.010</td> </tr> <tr> <td>1 PLACE ±</td> <td>±.036</td> <td>±.015</td> </tr> </tbody> </table>		mm	INCH	4 PLACES ±	±.00	±.000	3 PLACES ±	±.010	±.001	2 PLACES ±	±.025	±.010	1 PLACE ±	±.036	±.015	DIMENSION STYLE IN/MM <table border="1"> <thead> <tr> <th>DRAWN BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>GUZIK</td> <td>11/15/89</td> </tr> <tr> <th>CHECKED BY</th> <th>DATE</th> </tr> <tr> <td>PATEL</td> <td>11/15/89</td> </tr> <tr> <th>APPROVED BY</th> <th>DATE</th> </tr> <tr> <td>LENZ</td> <td>11/15/89</td> </tr> </tbody> </table>	DRAWN BY	DATE	GUZIK	11/15/89	CHECKED BY	DATE	PATEL	11/15/89	APPROVED BY	DATE	LENZ	11/15/89	<table border="1"> <thead> <tr> <th>SCALE</th> <th>DESIGN UNITS</th> <th>THIRD ANGLE</th> </tr> </thead> <tbody> <tr> <td>---</td> <td>INCH</td> <td>PROJECTION</td> </tr> </tbody> </table>	SCALE	DESIGN UNITS	THIRD ANGLE	---	INCH	PROJECTION	TRIFURCON TERMINAL CRIMP TYPE, .156 CENTERS 18 TO 20 AWG WIRE  MOLEX INCORPORATED
		mm	INCH																																			
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		ANGULAR ±1/2°																																				
		DRAFT WHEN APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	DOCUMENT NO. SD-6838	SHEET NO. 1 OF 2																																	
AQ	REV		SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																		

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
M	6838-(*)**					6838-A(*)**															M
	PART NO.	ENG. NO.				PART NO.	ENG. NO.														
	08-50-0187	6838-(P909)	SEE NOTE 1			08-58-0187	6838-A(P558)														
	08-50-0189	6838-(P909)L	SEE NOTE 1			08-58-0189	6838-A(P558)L														
L	08-50-0275	6838-(P909)-A				08-60-0001	6838-A(132)														L
	08-50-0026	6838-(P102)				08-60-0002	6838-A(132)L														
		6838-(P102)L				08-58-0102	6838-A(558)														
	08-50-0028	6838-(102)					6838-A(558)L														
	08-50-0029	6838-(102)L				08-58-0108	6838-A(503)														
K						08-58-0109	6838-A(503)L														K
						08-52-0112	6838-A(P909)	SEE NOTE 1													
						08-52-0113	6838-A(P909)L	SEE NOTE 1													
						08-50-0024	6838-A(102)														
						08-50-0251	6838-A(102)L														
J						08-58-0105	6838-A(P555)														J
						08-58-0106	6838-A(P555)L														
						08-58-0110	6838-A(P561)	SEE NOTE 1													
						08-58-0111	6838-A(P561)L	SEE NOTE 1													
						08-58-0118	6838-A(561)														
I						08-58-0119	6838-A(561)L														I
						08-58-0131	6838-A(550)														
						08-58-0132	6838-A(550)L														
H																					H
G																					G
F																					F
E																					E
D																					D
C																					C
B																					B
A																					A

NOTES:
1. PART MANUFACTURED WITH ALTERNATE GEOMETRY. SEE SHEET 1.

ADD ALT. GEOMETRY

EC NO: UCP2011-0681

DRWN:KIPER 2010/09/14

CHKD:SSOUSEK 2011/02/23

APPR:FSM TH 2011/02/25

REV

AQ

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

IN/MM

DRAWN BY	DATE
GUZIK	11/15/89
CHECKED BY	DATE
PATEL	11/15/89
APPROVED BY	DATE
LENZ	11/15/89

SCALE

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

TITLE

TRIFURCON TERMINAL
CRIMP TYPE .156 CENTERS
18 TO 20 AWG WIRE

MOLEX

MOLEX INCORPORATED

MATERIAL NO.

SEE CHART

DOCUMENT NO.

SD-6838

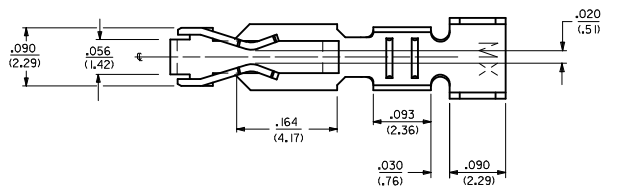
SIZE

D

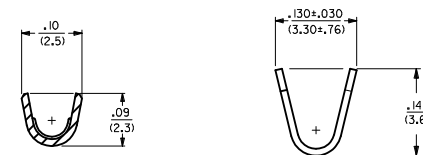
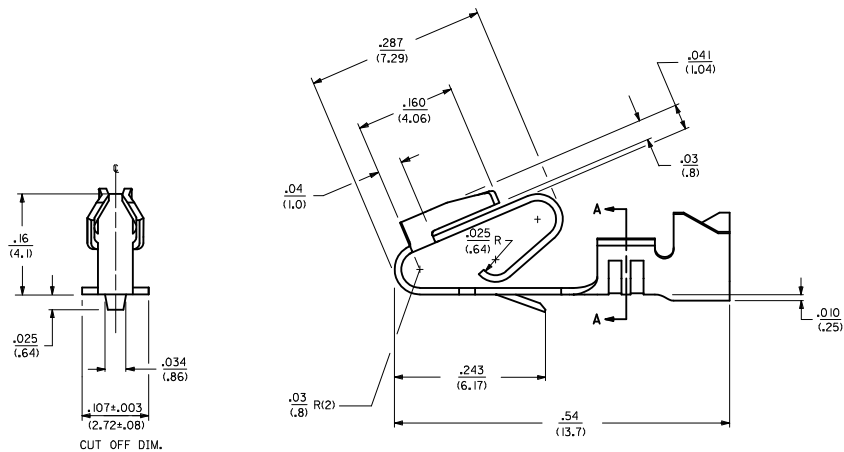
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SHEET NO.

2 OF 2



- NOTES:
1. MATERIAL: SEE LEGEND
 2. FINISH: 909 - OVERALL HOT TIN DIP: .000100/10.00254) MIN.
 3. PRODUCT SPECIFICATION: PS-40-02
 4. PACKAGING SPECIFICATION: PK-6838-001
 5. PART IS FOR USE WITH 18 TO 20 GA. WIRE WITH MAX. INSULATION DIA. OF .110/12.79), STRIP LENGTH OF .125/100 / (3.18/2.54).
 6. SEE 7258 SERIES FOR THIS PART WITH CRIMP FOR 22-26 AWG. WIRE.
 7. TERMINAL FOR USE IN 6442 AND 41695 SERIES HOUSINGS.
 8. DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL ABOUT THOSE CENTERLINES WITHIN HALF THE TOTAL TOLERANCE.
 9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.



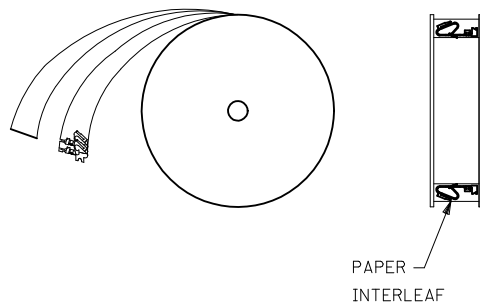
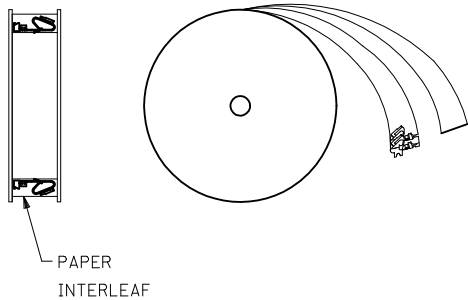
SECTION A-A

LEGEND: 6838- (P909) * *
WINDING
BLANK= PER DETAIL B
FORM
BLANK= CHAIN
PLATING PER SDES-88
SEE NOTE 2

MATERIAL:
(.27)/.0106 THK
BLANK=BRASS

WINDING DETAIL "A"

WINDING DETAIL "B"



UPDATE GEOMETRY EC NO: UCP2011-0681 DRAWN/KIPER 2010/09/14 CHKD/SSOUSEK 2011/02/23 APPR/FSM TH 2011/02/25	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		mm INCH		DRAWN BY JJS	DATE 07/29/04	TITLE TRIFURCON TERMINAL CRIMP TYPE .156 CENTERS 18 TO 20 AWG WIRE		
		4 PLACES ± --- ± ---		CHECKED BY KSS	DATE 07/29/04	MOLEX INCORPORATED		
		3 PLACES ± --- ± .010		APPROVED BY YM	DATE 07/29/04	DOCUMENT NO. SD-6838-001		
		2 PLACES ± .025 ± .015		MATERIAL NO. 50291639		SHEET NO. 1 OF 1		
		1 PLACE ± 0.36 ± ---		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
NEW	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						

Mouser Electronics

Authorized Distributor

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Molex:

08-60-0001