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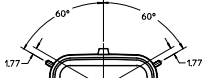
For any questions, you can email us directly:

sales@integrated-circuit.com

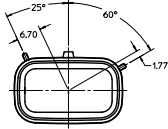
CUSTOMER SHROUD DESIGN DETAILS

NOTES:

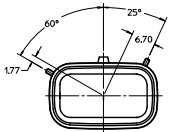
1. REFER TO MOLEX SALES DRAWING SD-75900-001 FOR THE R/A HEADER ASSEMBLY PRODUCT DETAILS AND RECOMMENDED PCB LAYOUT.
2. KEYING OPTIONS A-D AND SUGGESTED COLORS COMPLY TO THE POLARIZATION STANDARDS ESTABLISHED FOR MATING WITH A MX150 FEMALE CONNECTOR.
3. INTERIOR SHROUD SURFACE MUST BE FREE OF DEFECTS AND PARTING LINES ALL AROUND TO ENSURE PROPER SEALING OF THE MATING MX150 FEMALE CONNECTOR.
4. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THE HEADER SHROUD POLARIZATION FEATURES (OPTIONS A-D) WILL FUNCTION PROPERLY. THE FULL SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER CONTACTS.
5. PERMISSIBLE DRAFT ANGLE 0.25° MAXIMUM.
6. RADII ON ALL CORNERS SHOWN SHARP OR ALL UNSPECIFIED RADII 0.25 EXCEPT AS NOTED.
7. DIMENSIONS SHOWN ABOUT A CENTERLINE ARE SYMMETRICAL ABOUT THAT CENTERLINE WITHIN HALF THE SPECIFIED TOLERANCE.



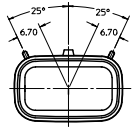
KEYING OPTION 'A'
SUGGESTED COLOR: BLACK



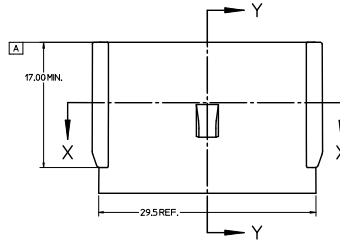
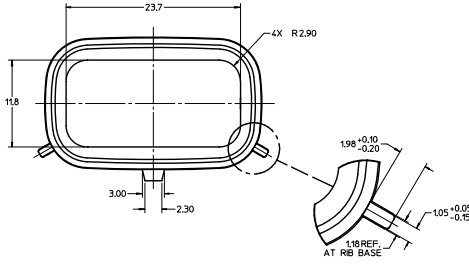
KEYING OPTION 'B'
SUGGESTED COLOR: GREY



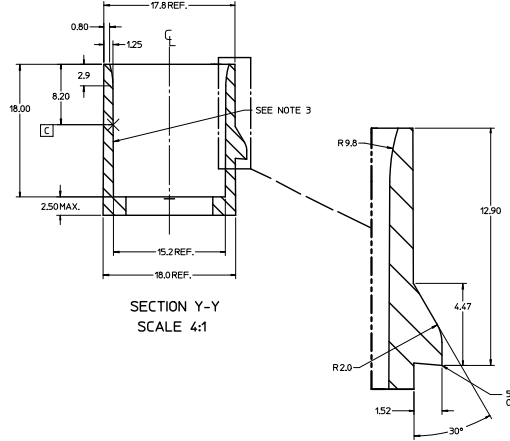
KEYING OPTION 'C'
SUGGESTED COLOR: BROWN



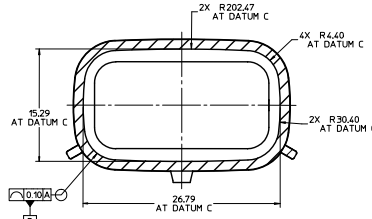
KEYING OPTION 'D'
SUGGESTED COLOR: GREEN



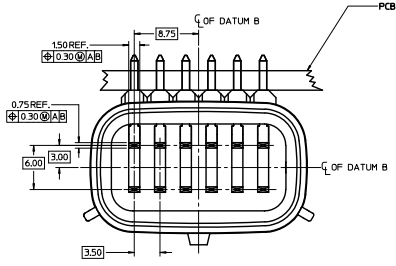
SECTION X-X
SCALE 4:1



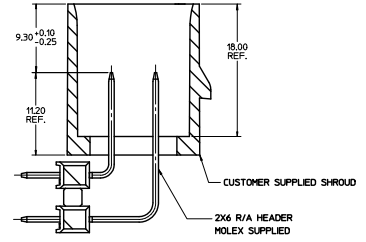
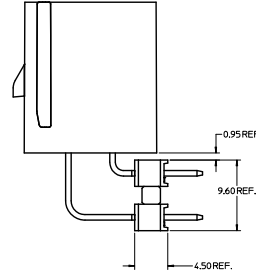
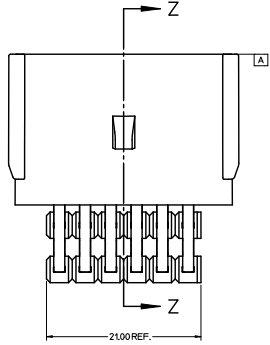
SECTION Y-Y
SCALE 4:1



CHANGE CLASS EC NO. LEP202-08666 DRAWN BY: DR. N. BRUSCA CHK: J. LOMELI APPR: J. LOMELI REV: 2011/09/16	QUALITY SYMBOLS 0 0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± 0.15 3 PLACES ± 0.10 2 PLACES ± 0.20 1 PLACE ± 0.25 ANGULAR ± 1/2°	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	DRAWN BY: TMCLELL DATE: 04/03/07	CHECKED BY: TMCLELL DATE: 04/03/07	APPROVED BY: BANAKIS DATE: 04/03/07	MATERIAL NO. 75900-2060	DOCUMENT NO. AS-75900-206	APPLICATION SPEC 2X6 MX150 R/A HEADER SHROUD DETAILS	MOLEX INCORPORATED
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 1 OF 2		

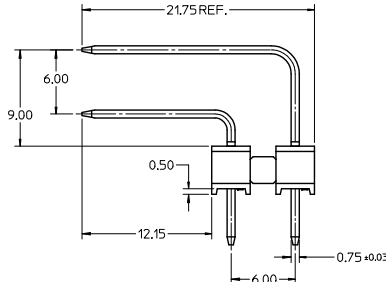
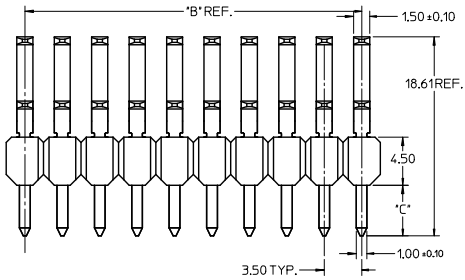
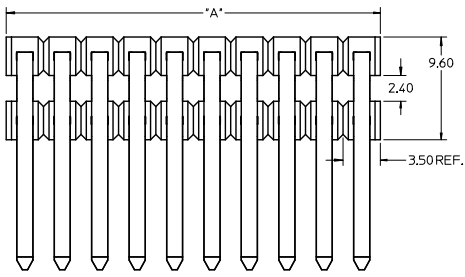


NOTES:
1. ADHERENCE TO THE HEADER APPLICATION DETAILS IS IMPERATIVE TO ENSURE PROPER SHROUD SEALING AND CONTACT ALIGNMENT WHEN MATED WITH A MX150 FEMALE CONNECTOR.



HEADER APPLICATION DETAILS

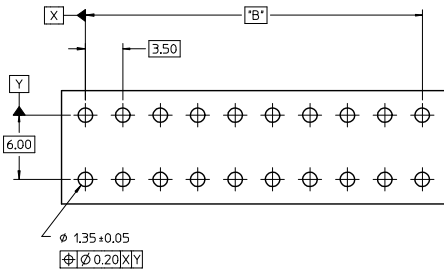
SEE SHEET 1 EC NO. 075900-0866 DRAWN BY: DR. W. BRUNCA 2011/09/16 CHK: J. L. JONES APPR: J. L. JONES REV: 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	4 PLACES $\nabla=0$ 3 PLACES $\nabla=0$ 2 PLACES $\nabla=0$ 1 PLACE $\nabla=0$	mm INCH ±0.10 ±0.004 ±0.20 ±0.008 ±0.50 ±0.020 ANGULAR ±1/2°	MM ONLY DRAWN BY: IMC/LELL DATE: 04/03/07 CHECKED BY: IMC/LELL DATE: 04/03/07 APPROVED BY: BANAKI S DATE: 04/03/07	4:1	METRIC	THIRD ANGLE PROJECTION
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PARTIAL NO. 75900-2060	DOCUMENT NO. AS-75900-206		SHEET NO. 2 OF 2
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



NOTES:

1. TERMINAL MAT'L: ALLOY C26000, CARTRIDGE BRASS
2. WAFER MAT'L: 30% GLASS FILLED LCP, 94V-0, COLOR BLACK.
3. TERMINAL PLATING:
 - OPTION 4 - 1.5µm MIN MATTE TIN OVERALL OVER 1.25µm NICKEL OVERALL
 - OPTION 1 - 2.5µm MIN MATTE TIN OVERALL OVER 1.25µm NICKEL OVERALL
 - OPTION 2 - 1.25µm NICKEL OVERALL 2.5µm MIN SELECT MATTE TIN PC TAIL AREA 0.05-0.25µm SELECT GOLD CONTACT AREA
 - OPTION 3 - 1.25µm NICKEL OVERALL 2.5µm MIN SELECT MATTE TIN PC TAIL AREA 0.75µm SELECT GOLD CONTACT AREA
4. HEADER ASSEMBLIES ARE TUBE PACKAGED PER PK-36518-351.

PKT	PLATING OPTION	MATERIAL NUMBER	*A* DIM	*B* DIM	*C* DIM	MATERIAL NUMBER	*A* DIM	*B* DIM	*C* DIM
2 x 2	1	75900-1121	7.0	3.50 REF		75900-1122	7.0	3.50 REF	
	2	75900-1221				75900-1222			
	3	75900-1321				75900-1322			
	4	75900-1421				75900-1422			
2 x 3	1	75900-1131	10.5	7.00		75900-1132	10.5	7.00	
	2	75900-1231				75900-1232			
	3	75900-1331				75900-1332			
	4	75900-1431				75900-1432			
2 x 4	1	75900-1141	14.0	10.50		75900-1142	14.0	10.50	
	2	75900-1241				75900-1242			
	3	75900-1341				75900-1342			
	4	75900-1441				75900-1442			
2 x 5	1	75900-1151	17.5	14.00	3.05	75900-1152	17.5	14.00	4.75
	2	75900-1251				75900-1252			
	3	75900-1351				75900-1352			
	4	75900-1451				75900-1452			
2 x 6	1	75900-1161	21.0	17.50		75900-1162	21.0	17.50	
	2	75900-1261				75900-1262			
	3	75900-1361				75900-1362			
	4	75900-1461				75900-1462			
2 x 8	1	75900-1181	28.0	24.50		75900-1182	28.0	24.50	
	2	75900-1281				75900-1282			
	3	75900-1381				75900-1382			
	4	75900-1481				75900-1482			
2 x 10	1	75900-1101	35.0	31.50		75900-1102	35.0	31.50	
	2	75900-1201				75900-1202			
	3	75900-1301				75900-1302			
	4	75900-1401				75900-1402			



RECOMMENDED PCB LAYOUT

PK SPEC UPDATED EC NO: 2016-0115 DRAWN: BR02 CHKD: APPR: KPRASAD	DESCRIPTION 2016/05/16 2016/06/03	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																
		$\nabla=0$ $\nabla=0$ $\nabla=0$	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>2 PLACES</td> <td>±0.13</td> <td>±---</td> </tr> <tr> <td>1 PLACE</td> <td>±0.25</td> <td>±---</td> </tr> <tr> <td>0 PLACE</td> <td>±---</td> <td>±---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±0.13	±---	1 PLACE	±0.25	±---	0 PLACE	±---	±---	MM ONLY	4:1
	mm	INCH																					
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1 PLACE	±0.25	±---																					
0 PLACE	±---	±---																					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ±1/2°		DRAWN BY: IMCLELL DATE: 1/25/06 CHECKED BY: IMCLELL DATE: 1/25/06 APPROVED BY: BANAKIS DATE: 1/25/06		TITLE: MX150 RIGHT ANGLE DUAL ROW UNSHROUDED HEADER ASSEMBLY molex																	
SEE CHART		MATERIAL NO.		DOCUMENT NO. SD-75900-001		SHEET NO. 1 OF 1																	