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Stocking Distributor

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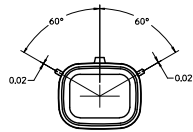
For any questions, you can email us directly:

sales@integrated-circuit.com

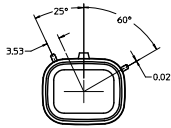
CUSTOMER SHROUD DESIGN DETAILS

NOTES:

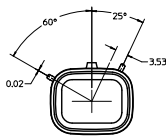
1. REFER TO MOLEX SALES DRAWING SD-75900-001 FOR THE R/A HEADER ASSEMBLY PRODUCT DETAILS AND RECOMMENDED PCB LAYOUT.
2. KEYING OPTIONS A-D AND SUGGESTED COLORS COMPLY TO THE POLARIZATION STANDARDS ESTABLISHED FOR MATING WITH A MX150 FEMALE CONNECTOR.
3. INTERIOR SHROUD SURFACE MUST BE FREE OF DEFECTS 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 SCOPPE DAMAGE TO THE HEADER CONTACTS.
5. PERMISSIBLE DRAFT ANGLE 0.25/0.04/0.015 MAXIMUM.
6. RADI ON ALL CORNERS SHOWN SHARP OR ALL UNSPECIFIED RADI 0.25 EXCEPT AS NOTED.
7. DIMENSIONS SHOWN ABOUT A CENTERLINE ARE SYMMETRICAL ABOUT THAT CENTERLINE WITHIN HALF THE SPECIFIED TOLERANCE.



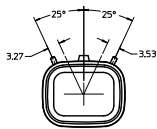
KEYING OPTION "A"
SUGGESTED COLOR: BLACK



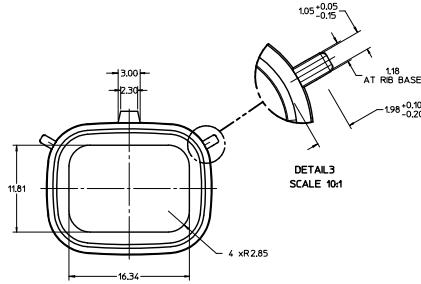
KEYING OPTION "B"
SUGGESTED COLOR: GREY



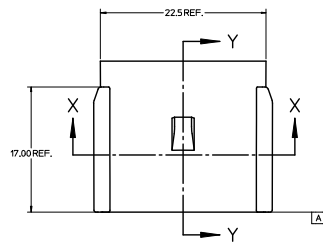
KEYING OPTION "C"
SUGGESTED COLOR: BROWN



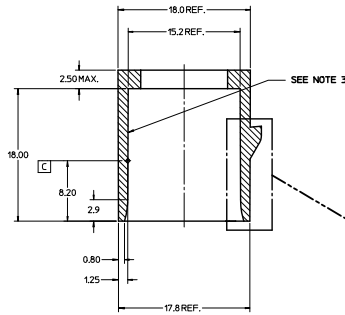
KEYING OPTION "D"
SUGGESTED COLOR: GREEN



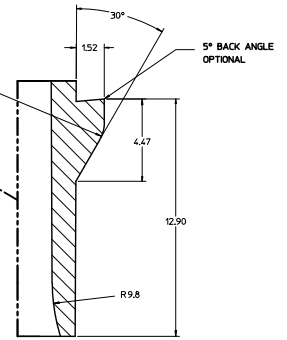
DETAIL 3
SCALE 10:1



SECTION X-X
SCALE 4:1



SECTION Y-Y
SCALE 4:1



DETAIL 2
SCALE 10:1

CHANGE CLASS	EC NO.	DATE	BY	APPROVED	REVISION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
						mm	INCH	MM ONLY	INCH			
1	PLACES	±	---	---	---	---	---	---	---	---	---	---
2	PLACES	±	---	---	---	---	---	---	---	---	---	---
3	PLACES	±	---	---	---	---	---	---	---	---	---	---
4	PLACES	±	---	---	---	---	---	---	---	---	---	---
5	PLACES	±	---	---	---	---	---	---	---	---	---	---
6	PLACES	±	---	---	---	---	---	---	---	---	---	---
7	PLACES	±	---	---	---	---	---	---	---	---	---	---
8	PLACES	±	---	---	---	---	---	---	---	---	---	---
9	PLACES	±	---	---	---	---	---	---	---	---	---	---
10	PLACES	±	---	---	---	---	---	---	---	---	---	---
11	PLACES	±	---	---	---	---	---	---	---	---	---	---
12	PLACES	±	---	---	---	---	---	---	---	---	---	---
13	PLACES	±	---	---	---	---	---	---	---	---	---	---
14	PLACES	±	---	---	---	---	---	---	---	---	---	---
15	PLACES	±	---	---	---	---	---	---	---	---	---	---
16	PLACES	±	---	---	---	---	---	---	---	---	---	---
17	PLACES	±	---	---	---	---	---	---	---	---	---	---
18	PLACES	±	---	---	---	---	---	---	---	---	---	---
19	PLACES	±	---	---	---	---	---	---	---	---	---	---
20	PLACES	±	---	---	---	---	---	---	---	---	---	---

CHANGE CLASS

EC NO.

DATE

BY

APPROVED

REVISION

QUALITY SYMBOLS

4 PLACES

3 PLACES

2 PLACES

1 PLACE

ANGULAR ±1/2°

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

DIMENSION STYLE

MM ONLY

INCH

SCALE

2:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

75900-2040

DOCUMENT NO.

AS-75900-204

SHEET NO.

1 OF 2

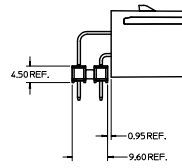
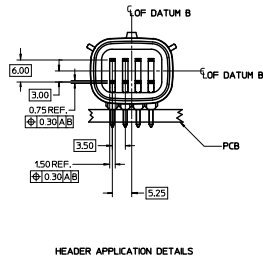
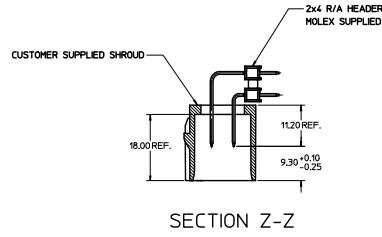
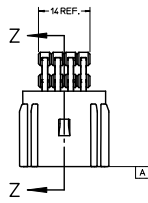
APPLICATION SPEC

2X4 MX150 R/A HEADER

SHROUD DETAILS

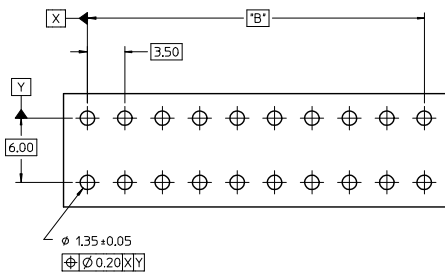
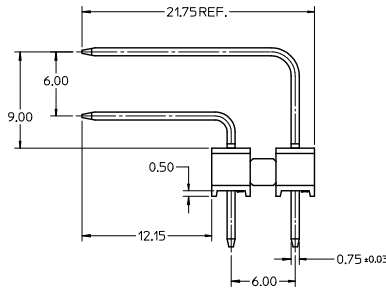
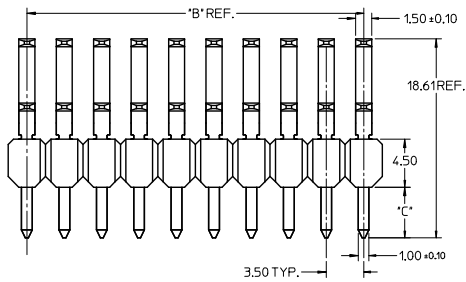
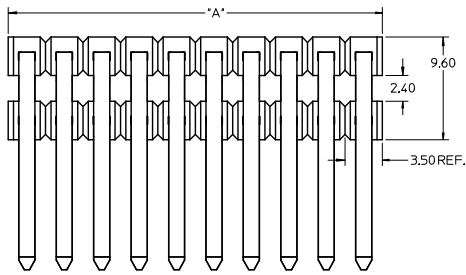
MOLEX INCORPORATED

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



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

ENTER DESCRIPTION EC NO. UEP202-0866 B DRAWING NO. 20110916 CHKD: JCOMERC APPR: JCOMERC REV: 01	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± 0.10	mm	INCH	DRAWN BY DROSLA	DATE 04/26/07	TITLE APPLICATION SPEC			
		3 PLACES ± 0.10	mm	INCH	CHECKED BY JCOMERC	DATE 04/26/07	2X4 MX150 R/A HEADER SHROUD DETAILS			
		1 PLACE ± 0.2	mm	INCH	APPROVED BY JCOMERC	DATE 04/26/07	MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 75900-2040		DOCUMENT NO. AS-75900-204		SHEET NO. 2 OF 2		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										



RECOMMENDED PCB LAYOUT

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 SIZE	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			

PK SPEC UPDATED	EC NO: 2016-0115	CHICKO: 2016/05/16	APPR: KPRASAD	REV: 2016/06/03	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DRAGON STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
						mm INCH	DATE	4:1	METRIC	
						4 PLACES ± --- ± ---	1/25/06			
						3 PLACES ± --- ± ---	1/25/06			
						2 PLACES ± 0.13 ± ---	1/25/06			
						1 PLACE ± 0.25 ± ---	1/25/06			
						0 PLACE ± ±	1/25/06			
						ANGULAR ± 1/2°				
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
						SEE CHART				
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				