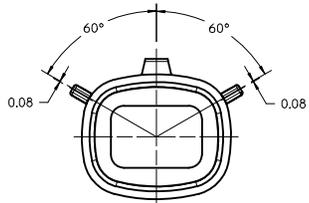
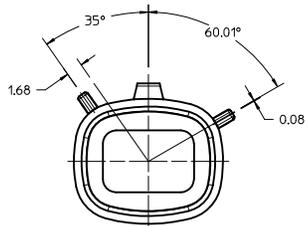


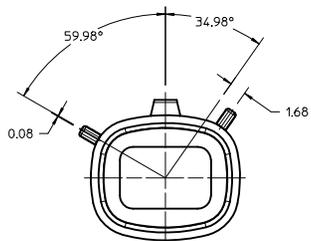
CUSTOMER SHROUD DESIGN DETAILS



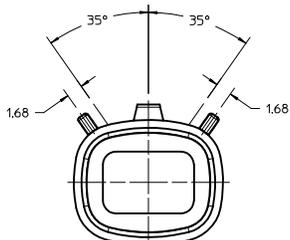
KEYING OPTION "A"
SUGGESTED COLOR: BLACK



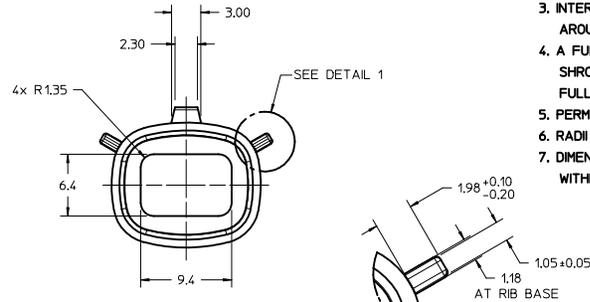
KEYING OPTION "B"
SUGGESTED COLOR: GREY



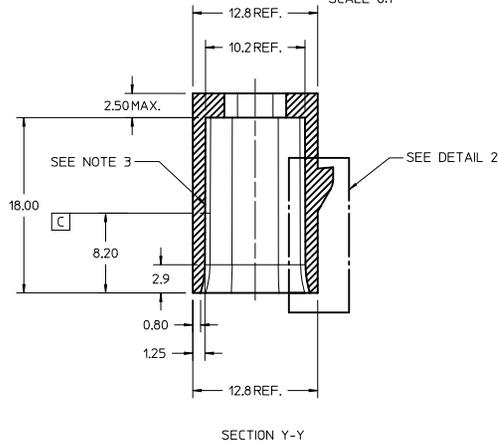
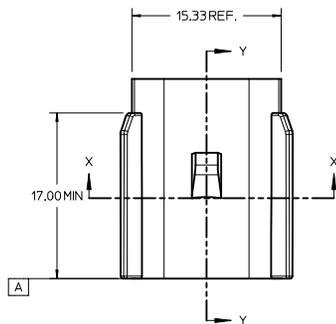
KEYING OPTION "C"
SUGGESTED COLOR: BROWN



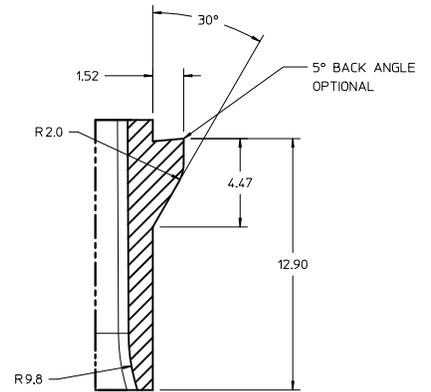
KEYING OPTION "D"
SUGGESTED COLOR: GREEN



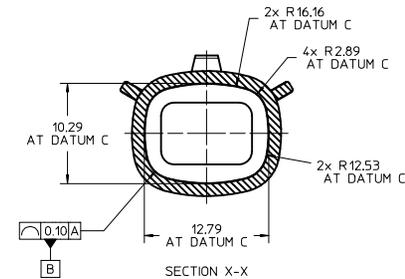
DETAIL 1
SCALE 8:1



SECTION Y-Y



DETAIL 2
SCALE 8:1

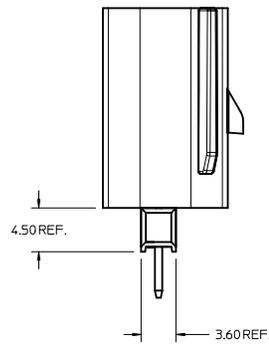
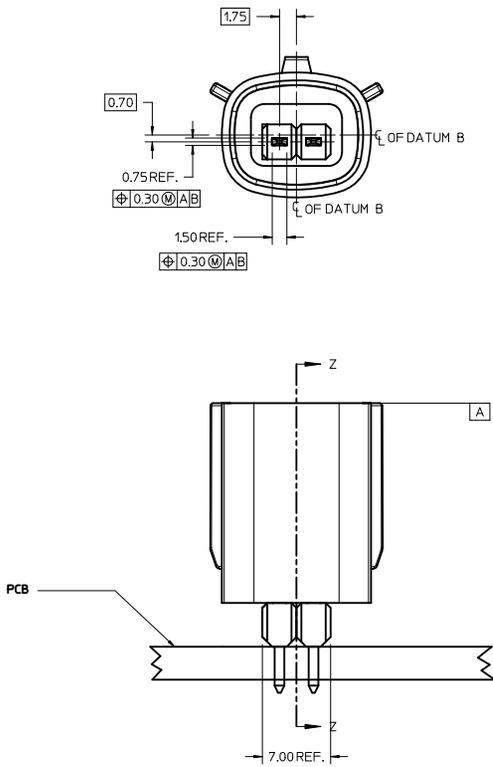


SECTION X-X

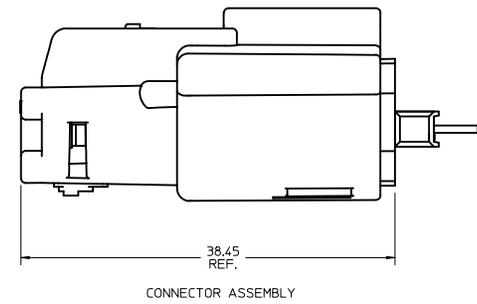
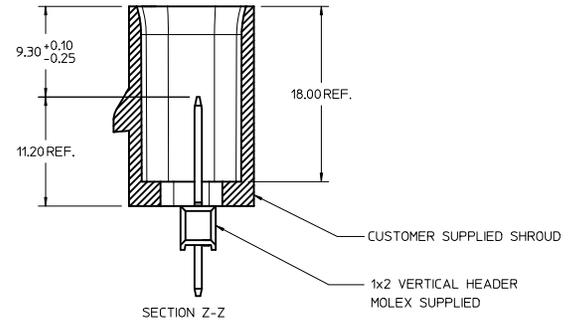
NOTES:

- REFER TO MOLEX SALES DRAWING SD-75757-002 FOR THE HEADER ASSEMBLY PRODUCT DETAILS AND RECOMMENDED PCB LAYOUT.
- KEYING OPTIONS A-D AND SUGGESTED COLORS COMPLY TO THE POLARIZATION STANDARDS ESTABLISHED FOR MATING WITH A MX150 FEMALE CONNECTOR.
- INTERIOR SHROUD SURFACE MUST BE FREE OF DEFECTS AND PARTING LINES ALL AROUND TO ENSURE PROPER SEALING OF THE MATING MX150 FEMALE CONNECTOR.
- 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.
- PERMISSIBLE DRAFT ANGLE 0.25° MAXIMUM.
- RADII ON ALL CORNERS SHOWN SHARP OR ALL UNSPECIFIED RADII 0.25 EXCEPT AS NOTED.
- DIMENSIONS SHOWN ABOUT A CENTERLINE ARE SYMMETRICAL ABOUT THAT CENTERLINE WITHIN HALF THE SPECIFIED TOLERANCE.

INITIAL RELEASE EC NO. UCP2011-2687 CHYD: APPR: JCOMERCI 2011/03/11	QUALITY SYMBOLS ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
	4 PLACES ± 0.15 3 PLACES ± 0.20 2 PLACES ± 0.25 1 PLACE ± 0.30 ANGULAR ± 1/2°		mm INCH		DRAWN BY DROSCA		DATE 2011/03/04		TITLE APPLICATION SPEC 1X2 MX150 HEADER SHROUD DETAILS		MOLEX INCORPORATED	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY JCOMERCI		DATE 2011/03/11		MATERIAL NO. 75757-1020		DOCUMENT NO. AS-75757-102		SHEET NO. 1 OF 2	
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

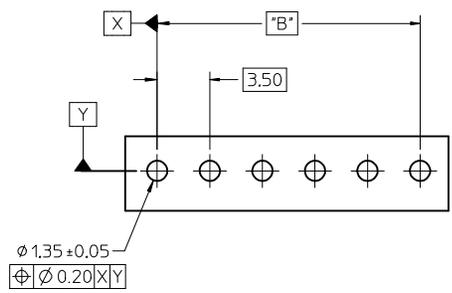
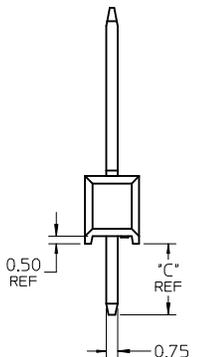
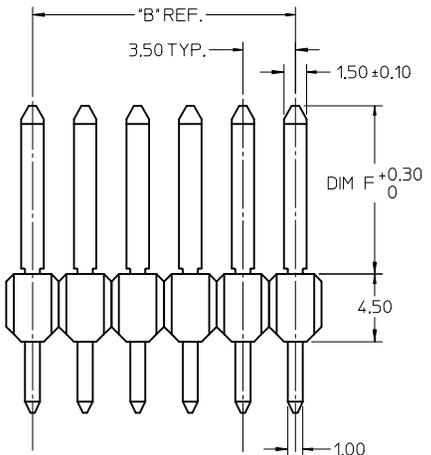
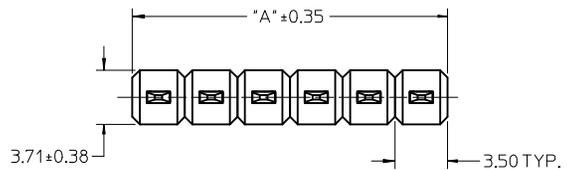


NOTES:
 1. ADHERENCE TO THE HEADER APPLICATION DETAILS IS IMPERATIVE TO ENSURE PROPER SHROUD SEALING AND CONTACT ALIGNMENT WHEN MATED WITH A MX150 FEMALE CONNECTOR.



HEADER APPLICATION DETAILS

SEE SHEET 1 IEC NO: UCP2011-2687 DRAWN/DROSCA 2011/03/04 CHKD: APPR: JCOMERCI 2011/03/11	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
	$\nabla=0$ $\nabla=0$	<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <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> </table>		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±0.13	±---	1 PLACE	±0.25	±---	MM ONLY	4:1	METRIC	
		mm	INCH																		
	4 PLACES	±---	±---																		
3 PLACES	±---	±---																			
2 PLACES	±0.13	±---																			
1 PLACE	±0.25	±---																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	APPROVED BY DATE	WATERL NO.	TITLE																		
	JCOMERCI 2011/03/11	75757-1020	APPLICATION SPEC 1X2 MX150 HEADER SHROUD DETAILS																		
			MOLEX INCORPORATED																		
			DOCUMENT NO. AS-75757-102																		
			SHEET NO. 2 OF 2																		
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		



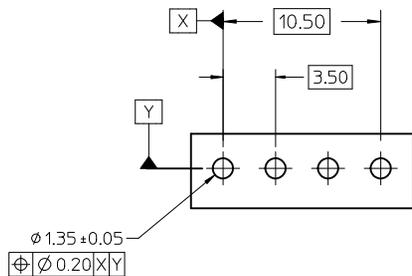
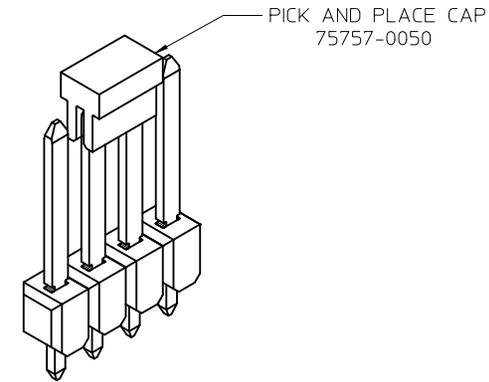
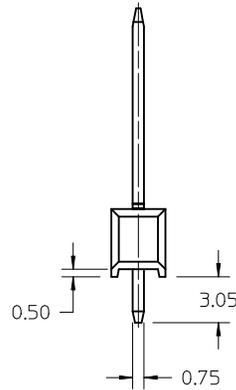
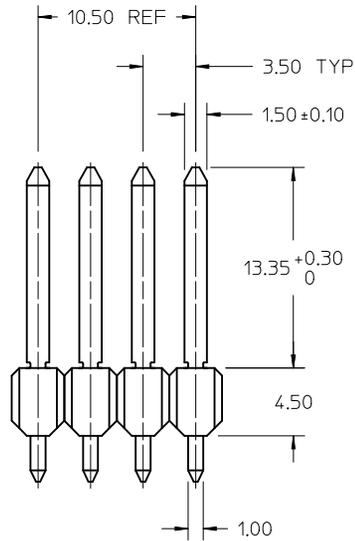
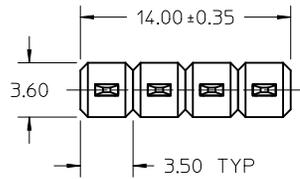
RECOMMENDED PCB LAYOUT

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 1 - 2.5µm MIN MATTE TIN OVERALL OVER 1.50µm MIN. NICKEL OVERALL
 - OPTION 2 - 1.50µm MIN. NICKEL OVERALL 4.00µm MIN SELECT MATTE TIN PC TAIL AREA 0.05µm MIN SELECT GOLD CONTACT AREA
 - OPTION 3 - 1.50µm MIN. NICKEL OVERALL 4.00µm MIN SELECT MATTE TIN PC TAIL AREA 0.50µm MIN. SELECT GOLD CONTACT AREA
 - OPTION 4 - 1.5µm MIN MATTE TIN OVERALL OVER 1.50µm MIN. NICKEL OVERALL
4. HEADER ASSEMBLIES ARE TUBE PACKAGED PER PK-36518-342.
5. COMPLIES WITH USCAR 1.5mm TERMINAL BLADE SPECIFICATION.
6. MAXIMUM SKIVING ALLOWED: 1mm.
7. MAXIMUM CUT-OFF BURR ALLOWED: 0.30mm.
8. MAXIMUM DIG MARK ALLOWED: 0.45mm.

CKT SIZE	PLATING OPTION	TOOLED		TOOLED		TOOLED		TOOLED		STATUS				
		MATERIAL NUMBER	'F' DIM	'C' DIM	MATERIAL NUMBER	'F' DIM	'C' DIM	MATERIAL NUMBER	'F' DIM	'C' DIM	'A' DIM	'B' DIM		
1 x 2	1	75757-0121			75757-0122			75757-0123			7	3.5		
	2	75757-0221			75757-0222			75757-0223						
	3	75757-0321			75757-0322			75757-0323						
	4	75757-0421			75757-0422			75757-0423						
1 x 3	1	75757-0131			75757-0132			75757-0133			10.5	7.00		
	2	75757-0231			75757-0232			75757-0233						
	3	75757-0331			75757-0332			75757-0333						
	4	75757-0431			75757-0432			75757-0433						
1 x 4	1	75757-0141	11.20	3.05	75757-0142	11.20	4.75	75757-0143	16.09	3.05	13.35	3.05	14.0	10.50
	2	75757-0241			75757-0242			75757-0243						
	3	75757-0341			75757-0342			75757-0343						
	4	75757-0441			75757-0442			75757-0443						
1 x 5	1	75757-0151			75757-0152			75757-0153			17.5	14.00		
	2	75757-0251			75757-0252			75757-0253						
	3	75757-0351			75757-0352			75757-0353						
	4	75757-0451			75757-0452			75757-0453						
1 x 6	1	75757-0161			75757-0162			75757-0163			21.0	17.50		
	2	75757-0261			75757-0262			75757-0263						
	3	75757-0361			75757-0362			75757-0363						
	4	75757-0461			75757-0462			75757-0463						

DIMENSIONS UPDATED EC NO: I2014-0080 DRW: DRWIN:BR02 CHKD: APPR: KPRASAD 2013/11/22 2013/11/25	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm	MM ONLY	4:1	METRIC	
	▽=0	INCH	DRAWN BY	DATE		
		4 PLACES ± ---	TMCCLELL	1/24/06		
		3 PLACES ± ---	CHECKED BY	DATE		
	2 PLACES ± 0.13	TMCCLELL	1/24/06			
	1 PLACE ± 0.25	APPROVED BY	DATE			
	ANGULAR ± 1/2°	BANAKI S	1/24/06			
		MATERIAL NO.	SEE CHART			
		DOCUMENT NO.	SD-75757-010			
		SHEET NO.	1 OF 1			



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: 1.5µm MIN MATTE TIN OVERALL OVER 1.25µm NICKEL OVERALL
4. HEADER ASSEMBLIES ARE TUBE PACKAGED PER PK-75757-9910.
5. COMPLIES WITH USCAR 1.5mm TERMINAL BLADE SPECIFICATION.

INITIAL RELEASE EC NO: UCP2012-3329 DRW: DROSCA 2012/04/13 CHK: DROSCA 2012/04/16 APP: JCOMERC I 2012/05/09	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION						
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	DRAWN BY DROSCA	DATE 2012/04/13	CHECKED BY DROSCA	DATE 2012/04/16	APPROVED BY JCOMERC I	DATE 2012/05/09	TITLE MX150 SINGLE ROW 1X4 VERTICAL HEADER ASSEMBLY	MOLEX MOLEX INCORPORATED
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 1/2°		MATERIAL NO. 757570444	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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