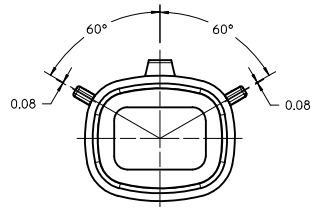


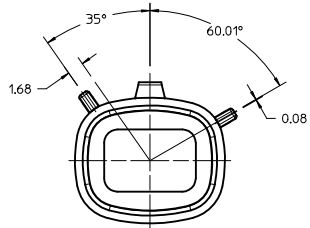
CUSTOMER SHROUD DESIGN DETAILS

NOTES:

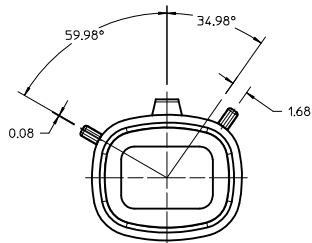
1. REFER TO MOLEX SALES DRAWING SD-75757-002 FOR THE HEADER ASSEMBLY PRODUCT DETAILS AND RECOMMENDED PCB LAYOUT.
2. KEYING OPTIONS A-D AND SUGGESTED COLORS COMPLY TO THE POLARIZATION STANDARDS ESTABLISHED FOR MATING WITH A MX150 FEMALE CONNECTOR.
3. INTERIOR SHROUD SURFACE MUST BE FREE OF DEFECTS AND 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.



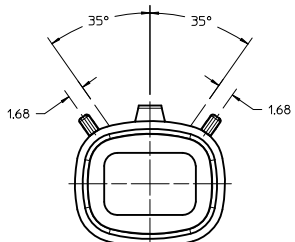
KEYING OPTION "A"
SUGGESTED COLOR: BLACK



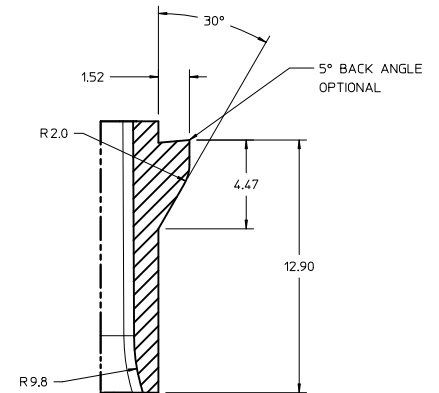
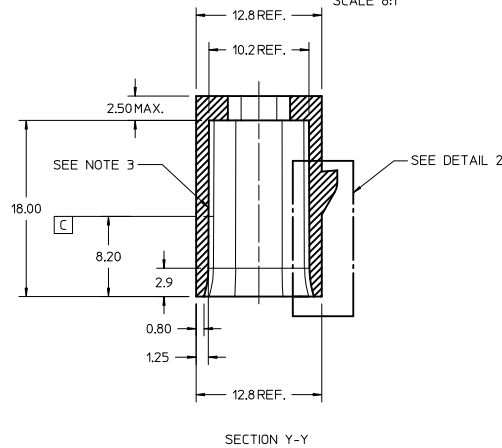
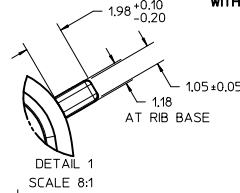
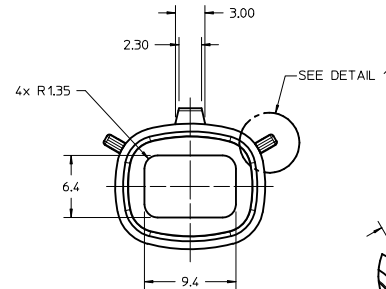
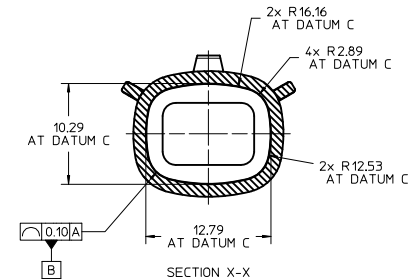
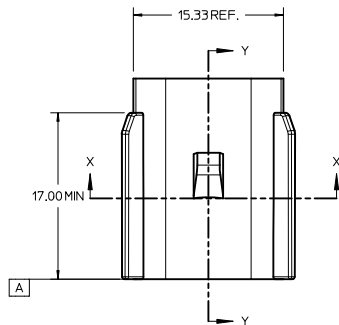
KEYING OPTION "B"
SUGGESTED COLOR: GREY



KEYING OPTION "C"
SUGGESTED COLOR: BROWN

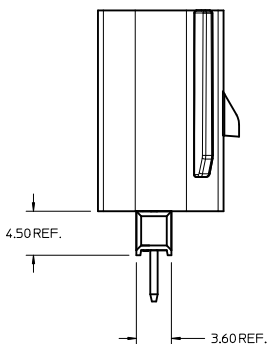
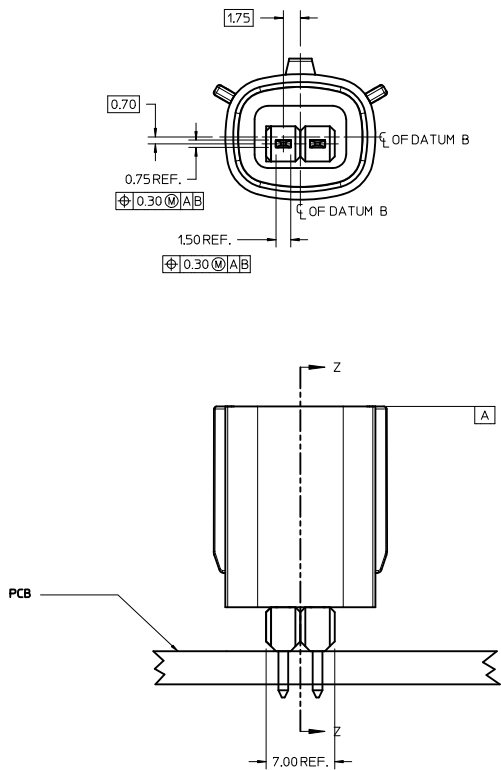


KEYING OPTION "D"
SUGGESTED COLOR: GREEN

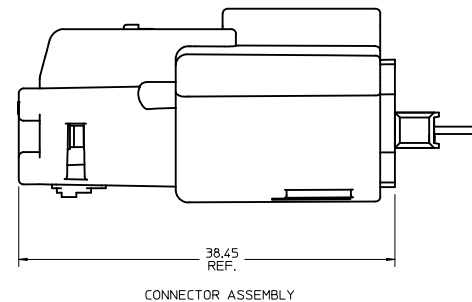
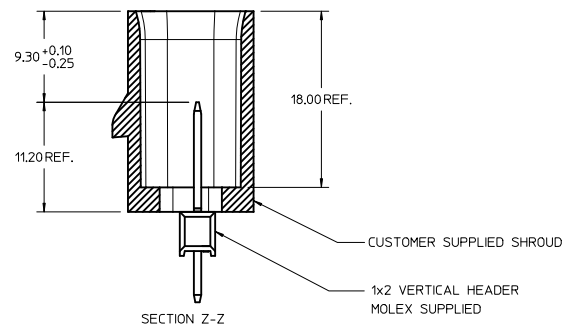


DETAIL 2
SCALE 8:1

QUALITY SYMBOLS			GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
					MM ONLY		4:1		METRIC			
INITIAL RELEASE			4 PLACES ±		---		DRAWN BY		DATE		TITLE	
EC NO: UCP2011-2687			3 PLACES ±		---		DROSCA		2011/03/04		APPLICATION SPEC	
CHYO:			2 PLACES ±		0.13		CHECKED BY		DATE		1X2 MX150 HEADER	
APPR: JCOMERCI			1 PLACE ±		0.25		APPROVED BY		DATE		SHROUD DETAILS	
REV 1			ANGULAR ±		1/2°		JCOMERCI		2011/03/11		MOLEX INCORPORATED	
			DRAFT WHERE APPLICABLE		MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
							75757-1020		AS-75757-102		1 OF 2	
							SIZE D					

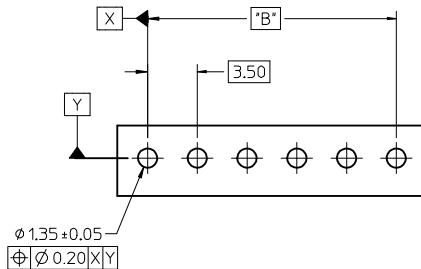
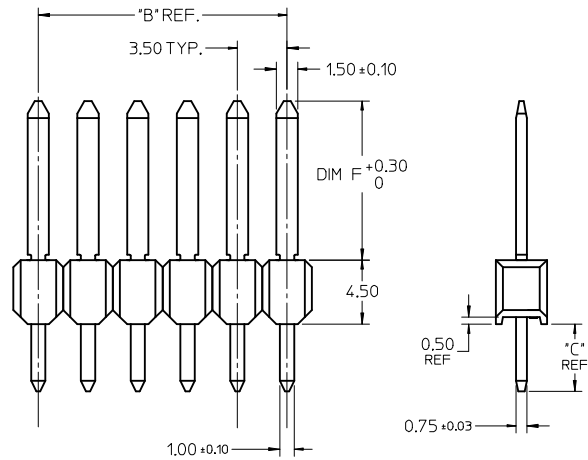
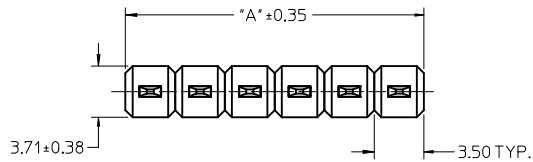


NOTES:
1. ADHERENCE TO THE HEADER APPLICATION DETAILS IS IMPERATIVE TO ENSURE PROPER SHROUD SEALING AND CONTACT ALIGNMENT WHEN MATED WITH A MX150 FEMALE CONNECTOR.



HEADER APPLICATION DETAILS

SEE SHEET 1 ECN NO: UCP2011-2687 DRAWN: DROSCA CHKD: APPR: JCOMERCI DATE: 2011/03/04 REV: 1	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
					DRAWN BY	DATE	TITLE		
					DROSCA	2011/03/04	APPLICATION SPEC 1X2 MX150 HEADER SHROUD DETAILS		
					CHECKED BY	DATE	MOLEX MOLEX INCORPORATED		
					APPROVED BY	DATE	DOCUMENT NO.		
					JCOMERCI	2011/03/11	AS-75757-102		
					MATERIAL NO.		SHEET NO.		
					75757-1020		2 OF 2		
					SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				

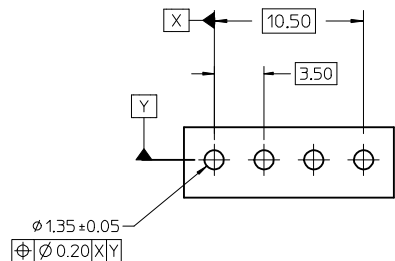
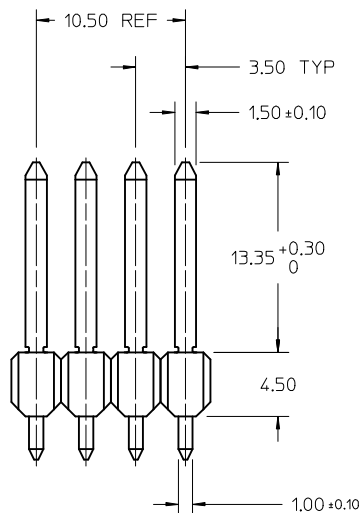
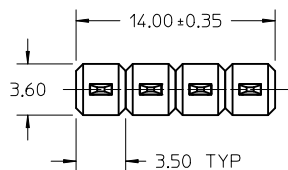


RECOMMENDED PCB LAYOUT

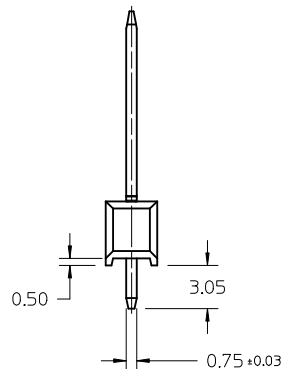
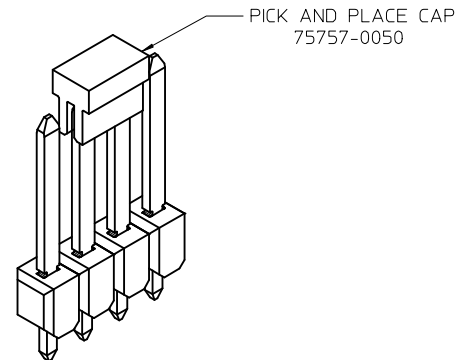
NOTES:

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. MAXIMUM SKIVING ALLOWED: 1mm.
6. MAXIMUM CUT-OFF BURR ALLOWED: 0.30mm.
7. MAXIMUM DIG MARK ALLOWED: 0.45mm.

		TOOLED		TOOLED		TOOLED		TOOLED		STATUS					
1 x 2	1	75757-0121	11.20	3.05	75757-0122	11.20	4.75	75757-0123	16.09	3.05	75757-0124	13.35	3.05	7	3.5
	2	75757-0221			75757-0222			75757-0223			75757-0224				
	3	75757-0321			75757-0322			75757-0323			75757-0324				
	4	75757-0421			75757-0422			75757-0423			75757-0424				
1 x 3	1	75757-0131	11.20	3.05	75757-0132	11.20	4.75	75757-0133	16.09	3.05	75757-0134	13.35	3.05	10.5	7.00
	2	75757-0231			75757-0232			75757-0233			75757-0234				
	3	75757-0331			75757-0332			75757-0333			75757-0334				
	4	75757-0431			75757-0432			75757-0433			75757-0434				
1 x 4	1	75757-0141	11.20	3.05	75757-0142	11.20	4.75	75757-0143	16.09	3.05	75757-0144	13.35	3.05	14.0	10.50
	2	75757-0241			75757-0242			75757-0243			75757-0244				
	3	75757-0341			75757-0342			75757-0343			75757-0344				
	4	75757-0441			75757-0442			75757-0443			75757-0444				
1 x 5	1	75757-0151	11.20	3.05	75757-0152	11.20	4.75	75757-0153	16.09	3.05	75757-0154	13.35	3.05	17.5	14.00
	2	75757-0251			75757-0252			75757-0253			75757-0254				
	3	75757-0351			75757-0352			75757-0353			75757-0354				
	4	75757-0451			75757-0452			75757-0453			75757-0454				
1 x 6	1	75757-0161	11.20	3.05	75757-0162	11.20	4.75	75757-0163	16.09	3.05	75757-0164	13.35	3.05	21.0	17.50
	2	75757-0261			75757-0262			75757-0263			75757-0264				
	3	75757-0361			75757-0362			75757-0363			75757-0364				
	4	75757-0461			75757-0462			75757-0463			75757-0464				
CKT SIZE	PLATING OPTION	MATERIAL NUMBER	*F* DIM	*C* DIM	MATERIAL NUMBER	*F* DIM	*C* DIM	MATERIAL NUMBER	*F* DIM	*C* DIM	MATERIAL NUMBER	*F* DIM	*C* DIM	*A* DIM	*B* DIM
USCAR NOTE REMOVED EC NO: 12015-0177 DRAWN BY: 2015/06/15 CHKD: 2015/07/02 APPR: 2015/07/21 K	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		MX150 SINGLE ROW UNSHROUDED VERTICAL HEADER ASSEMBLY molex SD-75757-010		
		▽=0	mm	INCH	DRAWN BY		DATE		TITLE						
		▽=0	4 PLACES ± ---	± ---	TMCLELL		1/24/06								
		▽=0	3 PLACES ± ---	± ---	CHECKED BY		DATE								
			2 PLACES ± 0.13	± ---	TMCLELL		1/24/06								
			1 PLACE ± 0.25	± ---	APPROVED BY		DATE								
			0 PLACE ±	±	BANAKIS		1/24/06								
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART				1 OF 1						
					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: 1.5µm MIN MATTE TIN OVERALL OVER 1.25µm NICKEL OVERALL
4. HEADER ASSEMBLIES ARE TUBE PACKAGED PER PK-75757-9910.

USCAR NOTE REMOVED EC NO: 12015-0177 DRAWING: 2015/06/17 CHKD: BR02 2015/07/02 APPR: XPRASAD 2015/07/21 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY	DATE	TITLE MX150 SINGLE ROW 1X4 VERTICAL HEADER ASSEMBLY			
			4 PLACES	± ---	± ---	DROSCA	2012/04/13				
			3 PLACES	± ---	± ---	CHECKED BY	DATE	molex			
			2 PLACES	± 0.13	± ---	DROSCA	2012/04/16				
			1 PLACE	± 0.25	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-75757-0444			
			0 PLACE	±		JCOMERC I	2012/05/09				
			ANGULAR ±1/2°			MATERIAL NO. 757570444		SHEET NO. 1 OF 1			
			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					