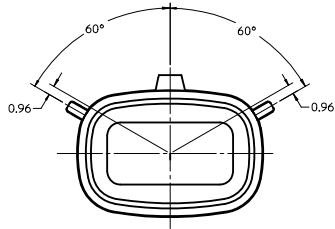


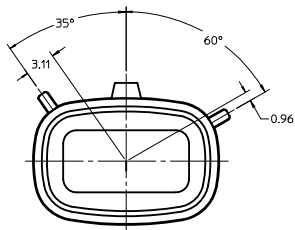
CUSTOMER SHROUD DESIGN DETAILS

NOTES:

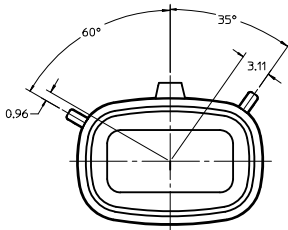
1. REFER TO MOLEX SALES DRAWING SD-75757-002 FOR THE HEADER ASSEMBLY PRODUCT DETAILS AND RECOMMENDED PCB LAYOUT.
2. KEYING OPTIONS A-D AND SUGGESTED COLORS COMPLY TO THE POLARIZATION STANDARDS ESTABLISHED FOR MATING WITH A MX150 FEMALE CONNECTOR.
3. INTERIOR SHROUD SURFACE MUST BE FREE OF DEFECTS AND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



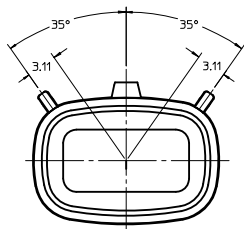
KEYING OPTION "A"
SUGGESTED COLOR: BLACK



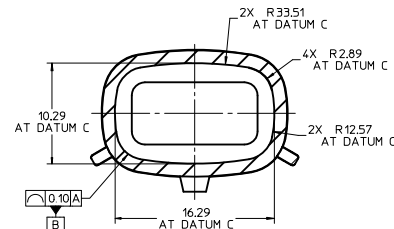
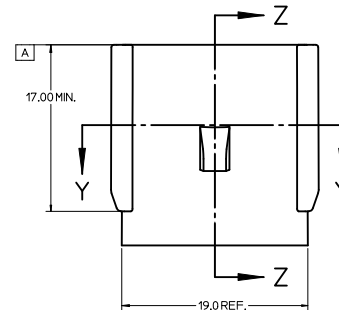
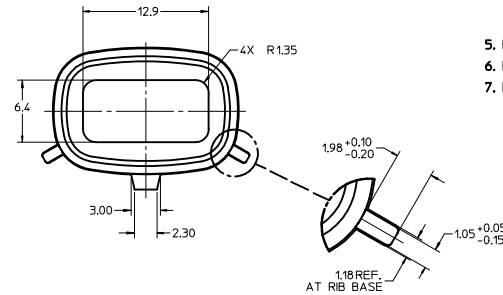
KEYING OPTION "B"
SUGGESTED COLOR: GREY



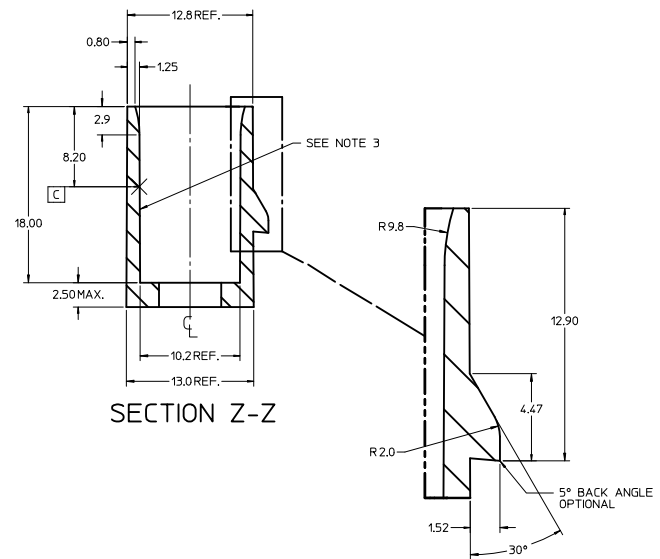
KEYING OPTION "C"
SUGGESTED COLOR: BROWN



KEYING OPTION "D"
SUGGESTED COLOR: GREEN

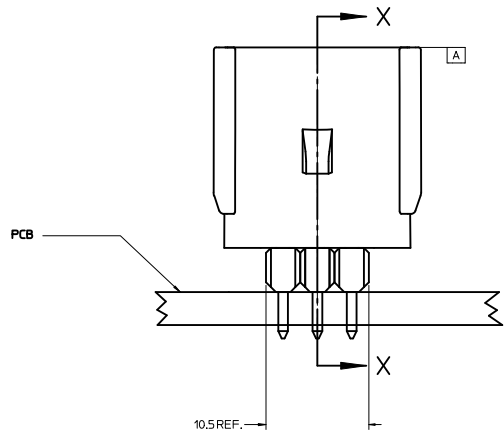
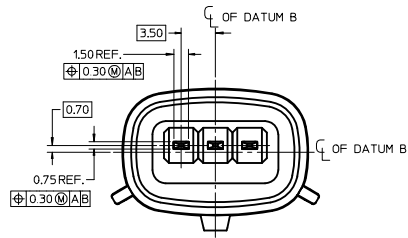


SECTION Y-Y

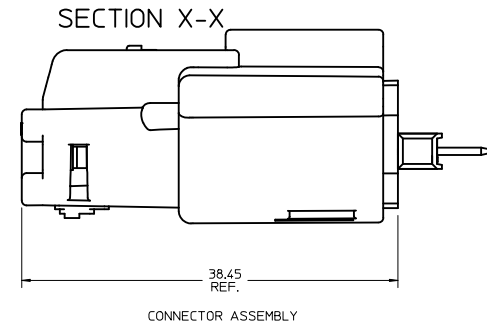
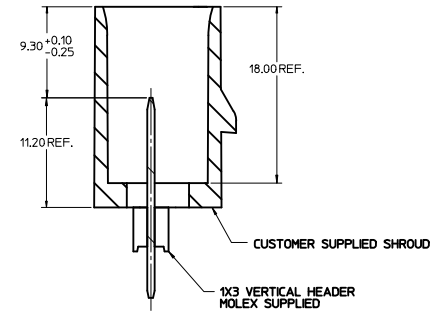
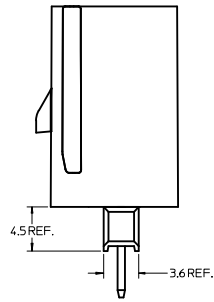


SECTION Z-Z

ADDED PLUG ASSY EC NO: UCP2011-2680 CHKO: DRWNDRSCA APPR: JCOMERCL REV: 2011/03/07	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	mm INCH	DRAWN BY TMCLELL	DATE 2006/04/11	APPLICATION SPEC 1X3 MX150 HEADER SHROUD DETAILS			
		3 PLACES ± --- ± ---		CHECKED BY TMCLELL	DATE 2006/04/11				
		2 PLACES ± 0.10 ± ---		APPROVED BY BANAKIS	DATE 2006/04/12				
DRAWING NO. 75757-1030 MATERIAL NO. 75757-1030 DOCUMENT NO. AS-75757-103	ANGULAR ± 1/2°		MATERIAL NO. 75757-1030		DOCUMENT NO. AS-75757-103		SHEET NO. 1 OF 2		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

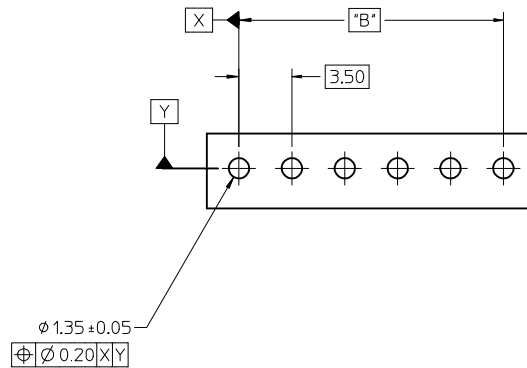
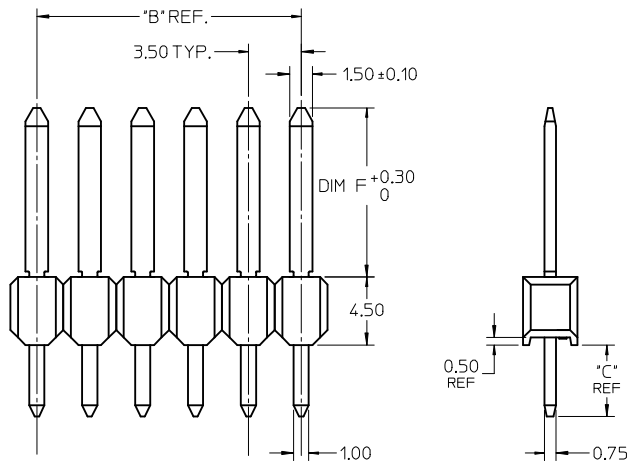
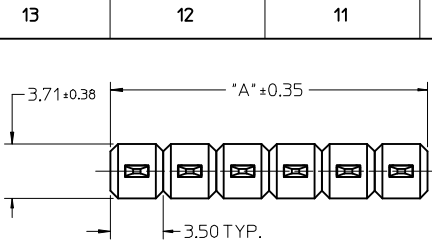


HEADER APPLICATION DETAILS



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

SEE SHEET 1 EC NO: UCP2011-2680 DRAWN BY: DRWNDRSCA CHKD: APPR: JCOMERCL 2011/03/07	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION		
				MM ONLY						
				DRAWN BY	DATE	TITLE APPLICATION SPEC 1X3 MX150 HEADER SHROUD DETAILS  MOLEX INCORPORATED				
		4 PLACES ±		TMCLELL						2006/04/11
		3 PLACES ±		CHECKED BY						DATE
		2 PLACES ± 0.10		TMCLELL						2006/04/11
		1 PLACE ± 0.2		APPROVED BY						DATE
		ANGULAR ± 1/2°		BANAKIS		2006/04/12				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
				75757-1030		AS-75757-103		2 OF 2		
SIZE				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
D										



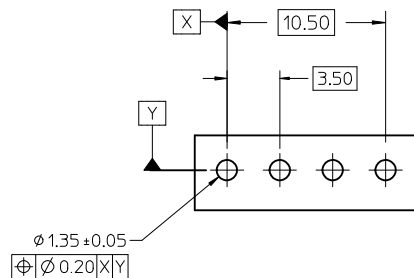
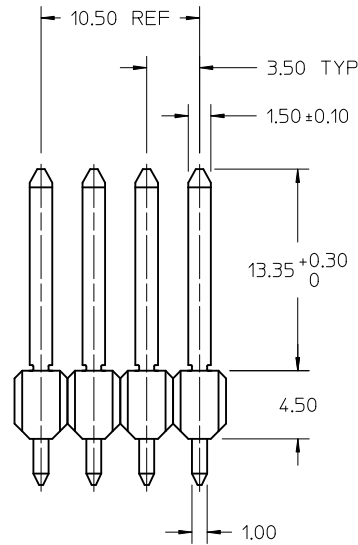
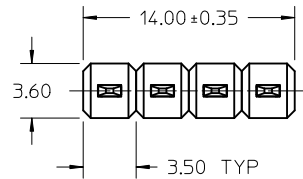
RECOMMENDED PCB LAYOUT

NOTES:

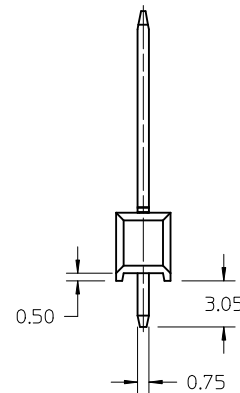
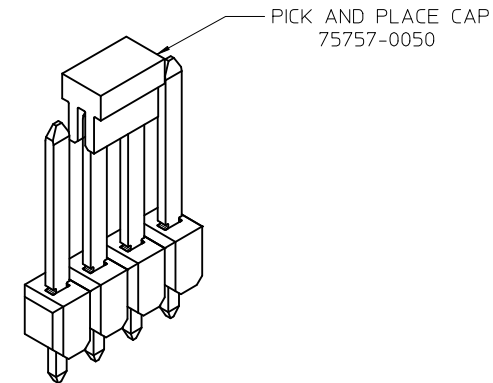
1. TERMINAL MAT'L: ALLOY C26000, CARTRIDGE BRASS
2. WAFER MAT'L: 30% GLASS FILLED LCP, 94V-0, COLOR BLACK.
3. TERMINAL PLATING:
 - OPTION 1 - 2.5µm MIN MATTE TIN OVERALL OVER 1.50µm MIN. NICKEL OVERALL
 - OPTION 2 - 1.50µm MIN. NICKEL OVERALL 4.00µm MIN SELECT MATTE TIN PC TAIL AREA 0.05µm MIN SELECT 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. EXCEPT 75757-0134 REST OF THE PART NUMBERS ARE NOT TOOLED.

CKT SIZE	PLATING OPTION	TOOLED		'F' DIM	'C' DIM	TOOLED		'F' DIM	'C' DIM	TOOLED		'F' DIM	'C' DIM	SEE OPTION 6		STATUS	
		MATERIAL NUMBER				MATERIAL NUMBER				MATERIAL NUMBER				MATERIAL NUMBER			
1 x 2	1	75757-0121				75757-0122				75757-0123				75757-0124		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				75757-0132				75757-0133				75757-0134		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				75757-0142				75757-0143				75757-0144		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				75757-0152				75757-0153				75757-0154		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				75757-0162				75757-0163				75757-0164		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			

DIMENSIONS UPDATED EC NO: I2013-0140 2013/01/10 DRWN:BM01 CHKD: APPR:KPRASAD 2013/05/13	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY TMCLELL	DATE 1/24/06	TITLE MX150 SINGLE ROW BREAK-AWAY VERTICAL HEADER ASSEMBLY				
			4 PLACES	± ---	± ---	CHECKED BY TMCLELL	DATE 1/24/06					
			3 PLACES	± ---	± ---	APPROVED BY BANAKIS	DATE 1/24/06					
			2 PLACES	± 0.13	± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-75757-010				
			1 PLACE	± 0.25	± ---	SIZE C						
			ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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: 15µm 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 DRWN:DROSCA 2012/04/13 CHKD:DROSCA 2012/04/16 APPR: JCOMERCI 2012/05/09	REV 1	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◊=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 		
						DRAWN BY DATE DROSCA 2012/04/13		TITLE MX150 SINGLE ROW 1X4 VERTICAL HEADER ASSEMBLY				
						CHECKED BY DATE DROSCA 2012/04/16						
						APPROVED BY DATE JCOMERCI 2012/05/09						
				ANGULAR ±1/2°		MATERIAL NO. 757570444		DOCUMENT NO. SD-75757-0444		SHEET NO. 1 OF 1		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				