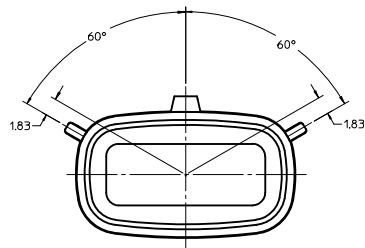
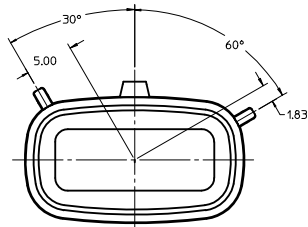


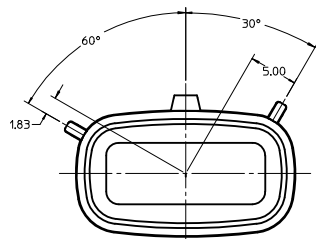
CUSTOMER SHROUD DESIGN DETAILS



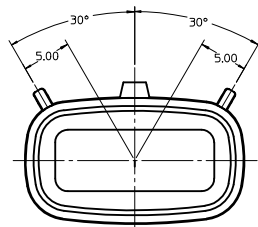
KEYING OPTION "A"
SUGGESTED COLOR: BLACK



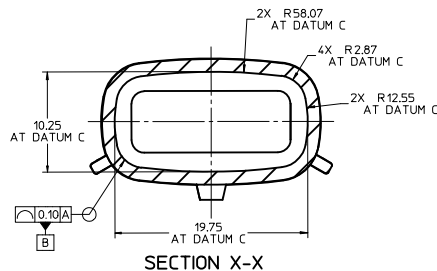
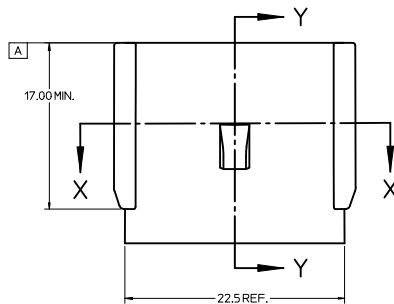
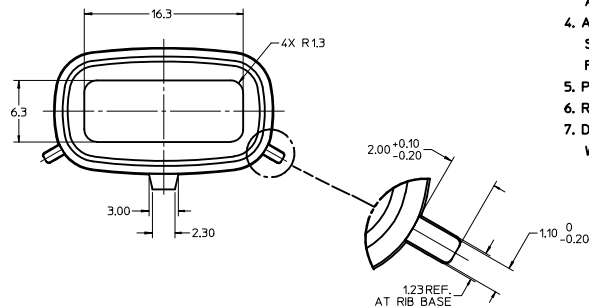
KEYING OPTION "B"
SUGGESTED COLOR: GREY



KEYING OPTION "C"
SUGGESTED COLOR: BROWN

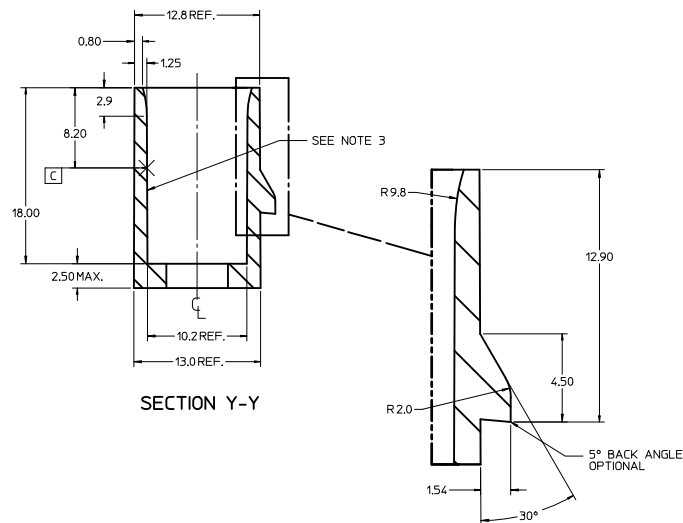


KEYING OPTION "D"
SUGGESTED COLOR: GREEN



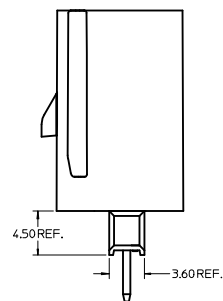
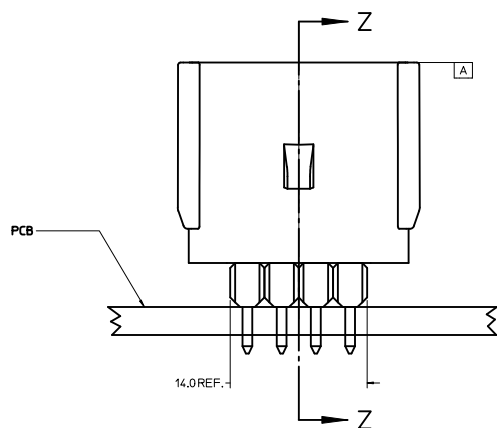
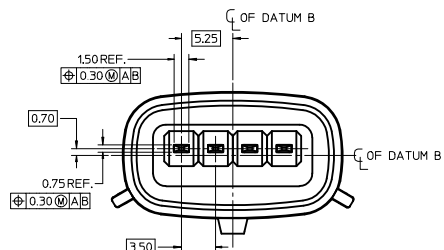
NOTES:

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.



SECTION Y-Y

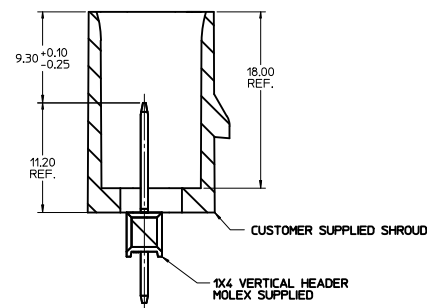
ADDED PLUG ASSY EC NO: UCP2011-2680 DRAWN BY: DRWNSGROSCA CHKD: 2011/03/04 APPR: JOMERCL 2011/03/07	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		4:1	METRIC		
						DRAWN BY		DATE	
						TMCCLELL		03/30/2006	
						CHECKED BY		DATE	
						TMCCLELL		3/30/2006	
						APPROVED BY		DATE	
						BANAKIS		3/31/2006	
						MATERIAL NO.		DOCUMENT NO.	
						75757-1040		AS-75757-104	
				SIZE		1 OF 2			
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



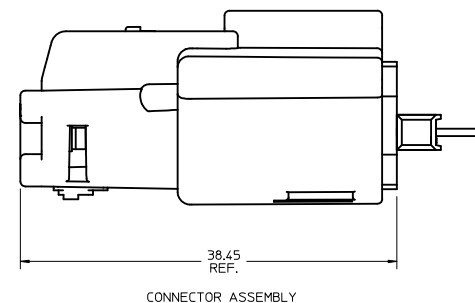
HEADER APPLICATION DETAILS

NOTES:

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

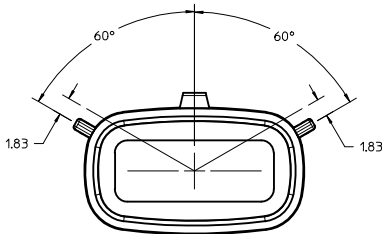


SECTION Z-Z

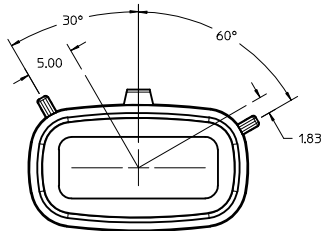


SEE SHEET 1 EC NO: UCP2011-2680 DRAWN BY: DRWN:ROSICA CHKD: APPR: JCOMERCL 2011/03/04 2011/03/07	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC			
		mm INCH		DRAWN BY	DATE	TITLE	APPLICATION SPEC 1X4 MX150 HEADER SHROUD DETAILS			
		4 PLACES	± ---	TMCLELL	03/30/2006	MOLEX MOLEX INCORPORATED				
		3 PLACES	± ---	CHECKED BY	DATE					
		2 PLACES	± 0.10	TMCLELL	3/30/2006					
		1 PLACE	± 0.2	APPROVED BY	DATE					
		ANGULAR ±1/2°		BANAKIS	3/31/2006	MATERIAL NO. 75757-1040			DOCUMENT NO. AS-75757-104	SHEET NO. 2 OF 2
		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						

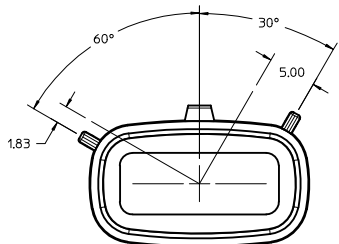
CUSTOMER SHROUD DESIGN DETAILS



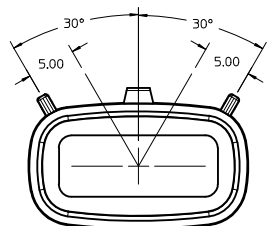
KEYING OPTION "A"
SUGGESTED COLOR: BLACK



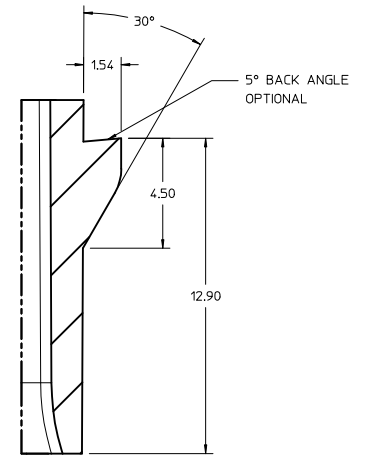
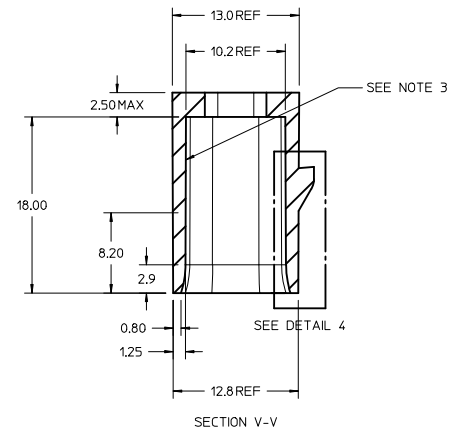
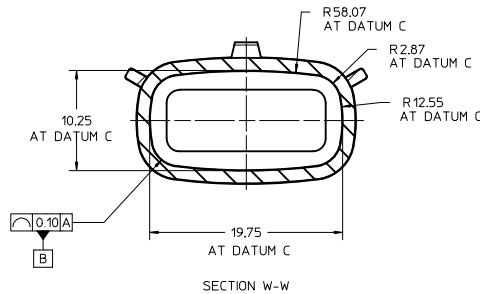
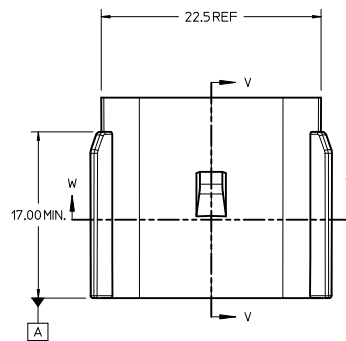
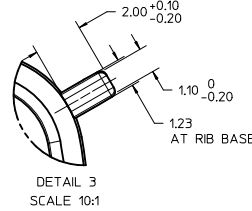
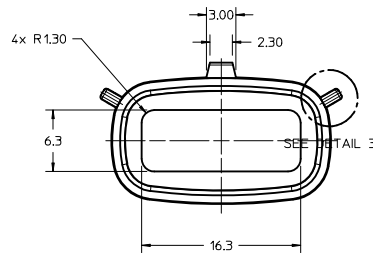
KEYING OPTION "B"
SUGGESTED COLOR: GREY



KEYING OPTION "C"
SUGGESTED COLOR: BROWN



KEYING OPTION "D"
SUGGESTED COLOR: GREEN

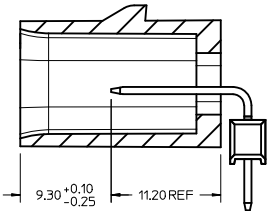
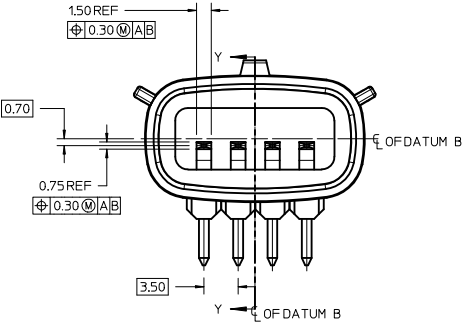


NOTES:

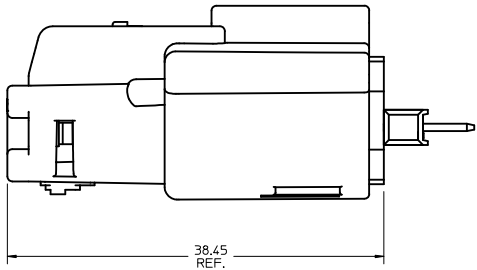
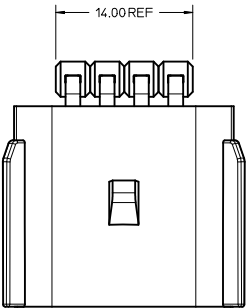
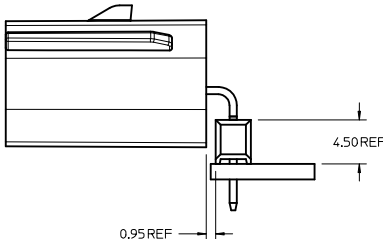
1. REFER TO MOLEX SALES DRAWING SD-75900-002 FOR THE HEADER ASSEMBLY PRODUCT DETAILS AND RECOMMENDED PCB LAYOUT.
2. KEYING OPTIONS A-D AND SUGGESTED COLORS COMPLY TO THE POLARIZATION STANDARDS ESTABLISHED FOR MATING WITH A MX150 FEMALE CONNECTOR.
3. INTERIOR SHROUD SURFACE MUST BE FREE OF DEFECTS AND 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.

INITIAL RELEASE EC NO: UCP2011-3372 DRAWN BY: DROSCA CHECKED BY: JCOMERC I APPR: JCOMERC I DATE: 2011/06/17 DATE: 2011/06/17 DATE: 2011/06/17	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 2011/06/17		TITLE		APPLICATION SPEC 1X4 MX150 HEADER SHROUD DETAILS			
				CHECKED BY DATE JCOMERC I 2011/06/17							
				APPROVED BY DATE JCOMERC I 2011/06/17		molex		MOLEX INCORPORATED			
				MATERIAL NO. 759001040		DOCUMENT NO. AS-75900-104		SHEET NO. 1 OF 2			
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
1		REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

HEADER APPLICATION DETAILS



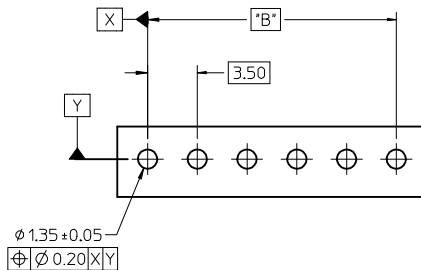
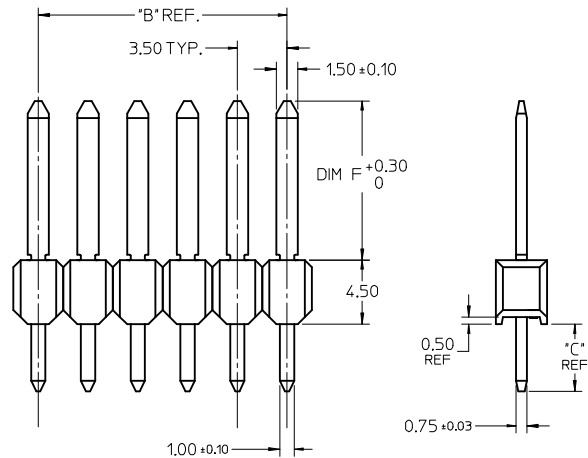
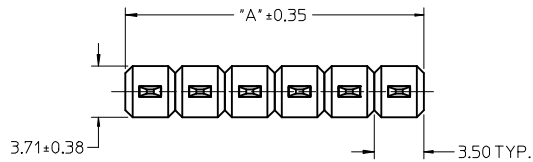
SECTION Y-Y



CONNECTOR ASSEMBLY

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.

SEE SHEET 1 EC NO: UCP2011-3372 DRAWN BY: DROSCA CHKD: JCOMERCI APPR: JCOMERCI 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				
			4 PLACES ± --- ± ---		DROSCA 2011/06/17		APPLICATION SPEC				
			3 PLACES ± --- ± ---		CHECKED BY DATE		1X4 MX150 HEADER				
			2 PLACES ± 0.10 ± ---		JCOMERCI 2011/06/17		SHROUD DETAILS				
			1 PLACE ± 0.2 ± ---		APPROVED BY DATE		 MOLEX INCORPORATED				
			ANGULAR ± 1/2°		JCOMERCI 2011/06/17						
					MATERIAL NO.					DOCUMENT NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		AS-75900-104			SHEET NO. 2 OF 2	
					SIZE D		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. 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	REV	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								