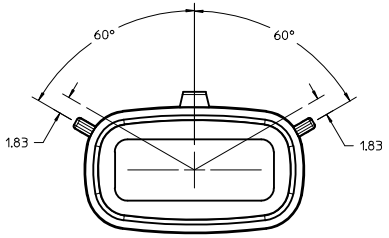
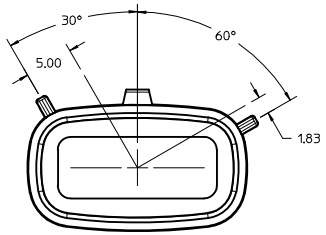
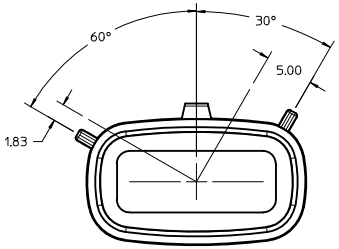
CUSTOMER SHROUD DESIGN DETAILS



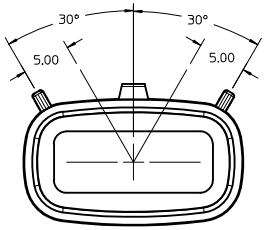
KEYING OPTION "A"
SUGGESTED COLOR: BLACK



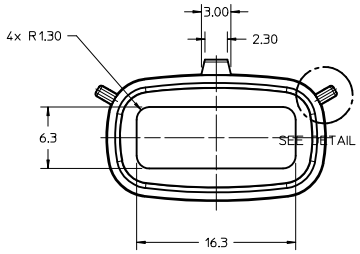
KEYING OPTION "B"
SUGGESTED COLOR: GREY

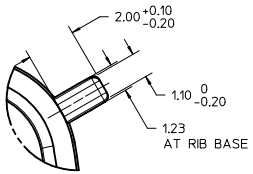


KEYING OPTION "C"
SUGGESTED COLOR: BROWN

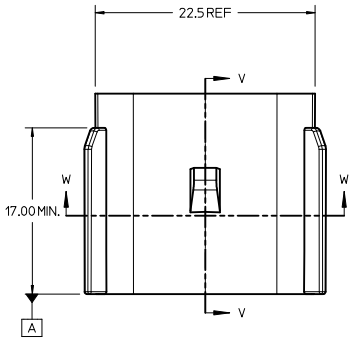


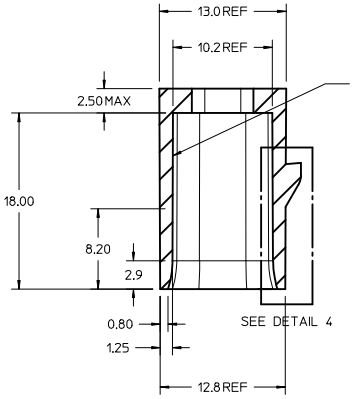
KEYING OPTION "D"
SUGGESTED COLOR: GREEN



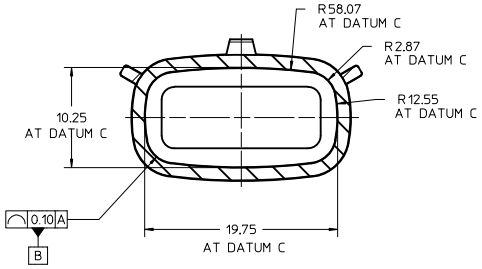


DETAIL 3
SCALE 10:1

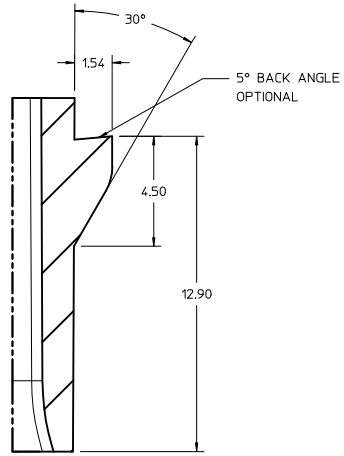




SECTION V-V



SECTION W-W



DETAIL 4
SCALE 10:1

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.

REV	DESCRIPTION	
1	INITIAL RELEASE EC NO: UCP2011-3372 DRWN:DROSCA CHKD:JCOMERCI APPR: JCOMERCI	2011/06/17 2011/06/17 2011/06/17

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

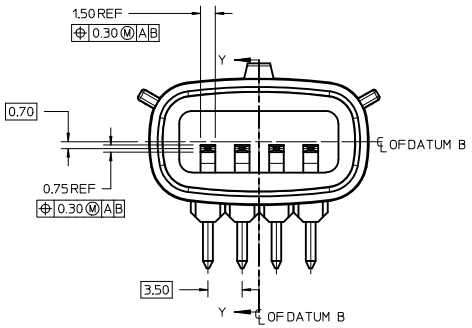
DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	DROSCA 2011/06/17
CHECKED BY	JCOMERCI 2011/06/17
APPROVED BY	JCOMERCI 2011/06/17
MATERIAL NO.	759001040
DOCUMENT NO.	AS-75900-104
SHEET NO.	1 OF 2
SIZE	D

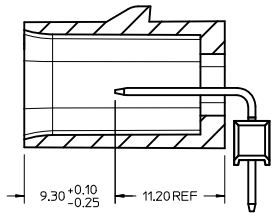
TITLE: APPLICATION SPEC 1X4 MX150 HEADER SHROUD DETAILS

MOLEX INCORPORATED

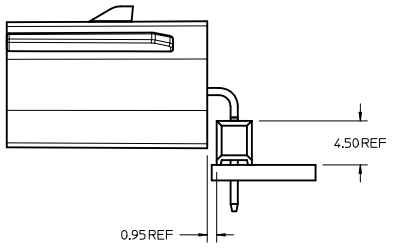
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

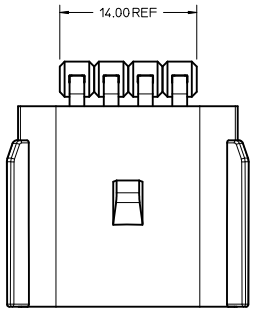
HEADER APPLICATION DETAILS

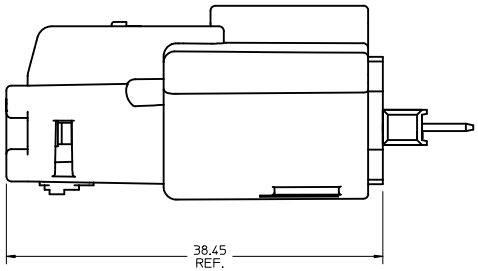




SECTION Y-Y







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	2011/06/17	
DRWN:DROSCA		2011/06/17	
CHKD:JCOMERCI		2011/06/17	
APPR: JCOMERCI		2011/06/17	
DESCRIPTION			
1			REV

QUALITY SYMBOLS: ▼=0, ▽=0

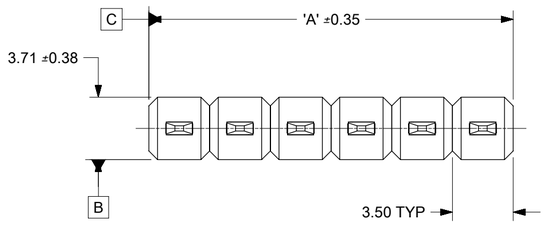
GENERAL TOLERANCES (UNLESS SPECIFIED)

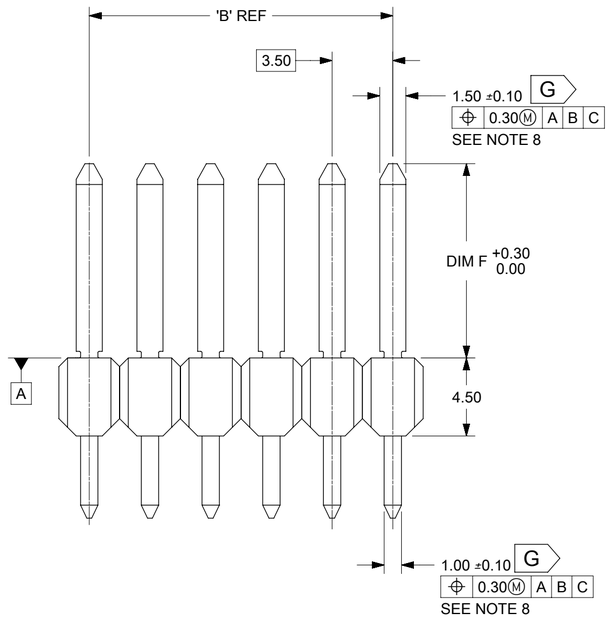
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±1/2°		

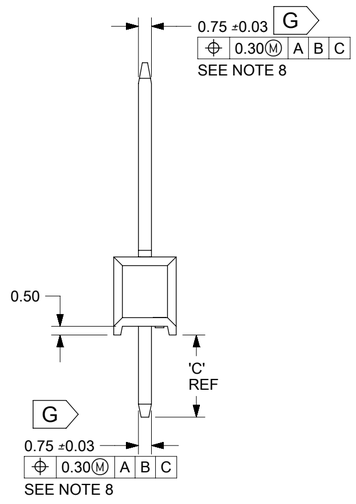
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

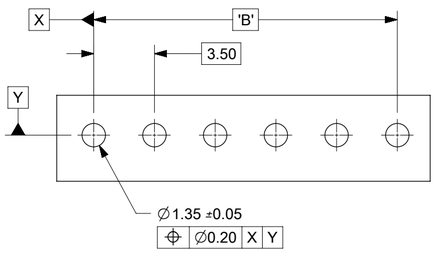
DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	DROSCA 2011/06/17
CHECKED BY	JCOMERCI 2011/06/17
APPROVED BY	JCOMERCI 2011/06/17
MATERIAL NO.	SEE SHEET 1
TITLE	APPLICATION SPEC 1X4 MX150 HEADER SHROUD DETAILS
	MOLEX INCORPORATED
DOCUMENT NO.	AS-75900-104
SHEET NO.	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.
8. ALL THE POSITIONAL TOLERANCES SHOULD BE MEASURED AT TIP OF THE TERMINALS.
9. POSITION TOLERANCE OF PIN AT MATING SIDE SHOULD BE MAINTAINED AT 0.3MM IN THE FINAL MODULE BY CUSTOMER.
10. G DENOTES DIMENSIONS THAT CAN BE QUALIFIED WITH GAUGE
11. BLADE GEOMETRY DOES NOT CONFORM TO USCAR SPECIFICATIONS
12. PLEASE REFER USCAR WEBSITE FOR 1.5mm DIRECT CONNECT INTERFACE (SHROUD) DETAILS
13. PLEASE REFER SD-33472-0001 FOR 2 X 10 SHROUD DETAILS

DOCUMENT STATUS	P1	RELEASE DATE	2020/03/02 16:03:05

SYMBOLS: = 0

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DIMENSION UNITS	SCALE
mm	4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	0.5 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: Five PN's: 757570123, 757570133, 757570153, 757570221 & 757570443 ARE OBSOLETE

EC NO: 633184
DRWN: RYELAVATTITH 2020/02/26
CHK'D: RYELAVATTITH 2020/03/02
APPR: SNAYAK01 2020/03/02

INITIAL REVISION:
DRWN: TMCCLELL 2006/01/27
APPR: MBANAKIS 2006/02/03

THIRD ANGLE PROJECTION | DRAWING: A2-SIZE | SERIES: 75757

molex

MX150 SINGLE ROW
UNSHROUDED VERTICAL HEADER ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-75757-010	PSD	001	L5

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 2

FORMAT: A2 Landscape-A2
REVISION: 1.0
DATE: 2016/01/01

		TOOLED				TOOLED				TOOLED				TOOLED				STATUS	
1 x 2	1	75757-0121		11.20	3.05	75757-0122	OBSOLETE	11.20	4.75	75757-0123	OBSOLETE	16.09	3.05	75757-0124		13.35	3.05	7	3.5
	2	75757-0221	OBSOLETE			75757-0222	OBSOLETE			75757-0223	OBSOLETE			75757-0224	OBSOLETE				
	3	75757-0321	OBSOLETE			75757-0322	OBSOLETE			75757-0323	OBSOLETE			75757-0324	OBSOLETE				
	4	75757-0421	OBSOLETE			75757-0422	OBSOLETE			75757-0423	OBSOLETE			75757-0424	OBSOLETE				
1 x 3	1	75757-0131				75757-0132	OBSOLETE			75757-0133	OBSOLETE			75757-0134				10.5	7.00
	2	75757-0231	OBSOLETE			75757-0232	OBSOLETE			75757-0233	OBSOLETE			75757-0234	OBSOLETE				
	3	75757-0331	OBSOLETE			75757-0332	OBSOLETE			75757-0333	OBSOLETE			75757-0334	OBSOLETE				
	4	75757-0431	OBSOLETE			75757-0432	OBSOLETE			75757-0433	OBSOLETE			75757-0434	OBSOLETE				
1 x 4	1	75757-0141				75757-0142	OBSOLETE			75757-0143	OBSOLETE			75757-0144	OBSOLETE			14.0	10.50
	2	75757-0241	OBSOLETE			75757-0242	OBSOLETE			75757-0243	OBSOLETE			75757-0244	OBSOLETE				
	3	75757-0341	OBSOLETE			75757-0342	OBSOLETE			75757-0343	OBSOLETE			75757-0344	OBSOLETE				
	4	75757-0441				75757-0442	OBSOLETE			75757-0443	OBSOLETE			75757-0444	OBSOLETE				
1 x 5	1	75757-0151				75757-0152	OBSOLETE			75757-0153	OBSOLETE			75757-0154	OBSOLETE			17.5	14.00
	2	75757-0251	OBSOLETE			75757-0252	OBSOLETE			75757-0253	OBSOLETE			75757-0254	OBSOLETE				
	3	75757-0351	OBSOLETE			75757-0352	OBSOLETE			75757-0353	OBSOLETE			75757-0354	OBSOLETE				
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1 x 6	1	75757-0161				75757-0162	OBSOLETE			75757-0163	OBSOLETE			75757-0164	OBSOLETE			21.0	17.50
	2	75757-0261	OBSOLETE			75757-0262	OBSOLETE			75757-0263	OBSOLETE			75757-0264	OBSOLETE				
	3	75757-0361	OBSOLETE			75757-0362	OBSOLETE			75757-0363	OBSOLETE			75757-0364	OBSOLETE				
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CKT SIZE	PLATING OPTION	MATERIAL NUMBER	STATUS	"F" DIM	"C" DIM	MATERIAL NUMBER	STATUS	"F" DIM	"C" DIM	MATERIAL NUMBER	STATUS	"F" DIM	"C" DIM	MATERIAL NUMBER	STATUS	"F" DIM	"C" DIM	"A" DIM	"B" DIM

DOCUMENT STATUS	P1	RELEASE DATE	2020/03/02 16:03:05

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SYMBOLS: FA = 0; FC = 0; FB = 0; S = 0; ▼ = 0; C = 0; ☒ = 0; ■ = 0; ▽ = 0

DIMENSION UNITS: mm | SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	0.5 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: Five PN's: 757570123, 757570133, 757570153, 757570221 & 757570443 ARE OBSOLETE

EC NO: 633184

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APPR:	SNAYAK01	2020/03/02

INITIAL REVISION:

DRWN:	TMCCLELL	2006/01/27
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THIRD ANGLE PROJECTION | DRAWING: A2-SIZE | SERIES: 75757

molex

MX150 SINGLE ROW
UNSHROUDED VERTICAL HEADER ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-75757-010	PSD	001	L5

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	2 OF 2

FORMAT: master-tb-prod-A2
REVISION: H
DATE: 2018/01/18