



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 4 - 1.5µm MIN MATTE TIN OVERALL OVER 1.25µm NICKEL OVERALL
 OPTION 1 - 2.5µm MIN MATTE TIN OVERALL OVER 1.25µm NICKEL OVERALL
 OPTION 2 - 1.25µm NICKEL OVERALL 2.5µm MIN SELECT MATTE TIN PC TAIL
 AREA 0.05-0.25µm SELECT GOLD CONTACT AREA
 OPTION 3 - 1.25µm NICKEL OVERALL 2.5µm MIN SELECT MATTE TIN PC TAIL
 AREA 0.75µm SELECT GOLD CONTACT AREA
4. HEADER ASSEMBLIES ARE TUBE PACKAGED PER PK-36518-340.
5. ALL THE POSITIONAL TOLERANCES SHOULD BE MEASURED AT TIP OF THE TERMINALS.
6. DATUMS SHOULD BE CONSIDERED FROM THE EDGES OF THE HOUSING.
7. POSITION TOLERANCE OF PIN AT MATING SIDE SHOULD BE MAINTAINED AT 0.3MM IN THE FINAL MODULE BY CUSTOMER.
8. [G] DENOTES DIMENSIONS THAT CAN BE QUALIFIED WITH A GAUGE
9. BLADE GEOMETRY DOES NOT CONFORM TO USCAR SPECIFICATIONS
10. PLEASE REFER USCAR WEBSITE FOR 1.5mm DIRECT CONNECT INTERFACE (SHROUD) DETAILS
11. PLEASE REFER SD-33472-0001 FOR 2 X 10 SHROUD DETAILS.

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	DIMENSION UNITS	SCALE	CURRENT REV DESC:							
mm	4:1	EC NO: 604928							MX150 DUAL ROW UNSHROUDED VERTICAL HEADER ASSEMBLY	
GENERAL TOLERANCES (UNLESS SPECIFIED)	DRWN: RYELAVATTITH 2018/08/16							PRODUCT CUSTOMER DRAWING		
ANGULAR TOL ± 0.5°	CHK'D: MYOUNG01 2018/09/26									DOCUMENT NUMBER: SD-75757-002 DOC TYPE: PSD DOC PART: 001 REVISION: G2
4 PLACES ±	APPR: RBAUMAN 2018/09/27							MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 2		
3 PLACES ±	INITIAL REVISION:									DRWN: TMCCLELL 2005/03/10 APPR: MBANAKIS 2005/03/15
2 PLACES ± 0.13	THIRD ANGLE PROJECTION							DIMENSION UNITS: mm SCALE: 4:1 DRAWING: A2-SIZE SERIES: 75757		
1 PLACE ± 0.25	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									DIMENSION UNITS: mm SCALE: 4:1 DRAWING: A2-SIZE SERIES: 75757
0 PLACES ±	THIRD ANGLE PROJECTION							DIMENSION UNITS: mm SCALE: 4:1 DRAWING: A2-SIZE SERIES: 75757		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION									DIMENSION UNITS: mm SCALE: 4:1 DRAWING: A2-SIZE SERIES: 75757

2 x 2	1	75757-5121	3.05	16.09	75757-1121	3.05	11.20	75757-1122	4.75	11.20	7.0	3.50 REF
	2	75757-5221			75757-1221			75757-1222				
	3	75757-5321			75757-1321			75757-1322				
	4	75757-5421			75757-1421			75757-1422				
2 x 3	1	75757-5131	3.05	16.09	75757-1131	3.05	11.20	75757-1132	4.75	11.20	10.5	7.00
	2	75757-5231			75757-1231			75757-1232				
	3	75757-5331			75757-1331			75757-1332				
	4	75757-5431			75757-1431			75757-1432				
2 x 4	1	75757-5141	3.05	16.09	75757-1141	3.05	11.20	75757-1142	4.75	11.20	14.0	10.50
	2	75757-5241			75757-1241			75757-1242				
	3	75757-5341			75757-1341			75757-1342				
	4	75757-5441			75757-1441			75757-1442				
2 x 6	1	75757-5161	3.05	16.09	75757-1161	3.05	11.20	75757-1162	4.75	11.20	21.0	17.50
	2	75757-5261			75757-1261			75757-1262				
	3	75757-5361			75757-1361			75757-1362				
	4	75757-5461			75757-1461			75757-1462				
2 x 8	1	75757-5181	3.05	16.09	75757-1181	3.05	11.20	75757-1182	4.75	11.20	28.0	24.50
	2	75757-5281			75757-1281			75757-1282				
	3	75757-5381			75757-1381			75757-1382				
	4	75757-5481			75757-1481			75757-1482				
2 x 10	1	75757-5101	3.05	16.09	75757-1101	3.05	11.20	75757-1102	4.75	11.20	35.0	31.50
	2	75757-5201			75757-1201			75757-1202				
	3	75757-5301			75757-1301			75757-1302				
	4	75757-5401			75757-1401			75757-1402				
CKT SIZE	PLATING OPTION	MATERIAL NUMBER	"C" DIM	"F" DIM	MATERIAL NUMBER	"C" DIM	"F" DIM	MATERIAL NUMBER	"C" DIM	"F" DIM	"A" DIM	"B" DIM

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DIMENSION UNITS	SCALE	CURRENT REV DESC:												
$\nabla = 0$	mm	NTS	<p>molex</p> <p>MX150 DUAL ROW UNSHROUDED VERTICAL HEADER ASSEMBLY</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: SD-75757-002 DOC TYPE: PSD DOC PART: 001 REVISION: G2</p>											
$\nabla = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)													
$\nabla = 0$	ANGULAR TOL $\pm 0.5^\circ$													
$\nabla = 0$	4 PLACES \pm													
$\nabla = 0$	3 PLACES \pm		EC NO: 604928	DRWN: RYELAVATTITH	2018/08/16	CHK'D: MYOUNG01	2018/09/26	APPR: RBAUMAN	2018/09/27	INITIAL REVISION:				
$\nabla = 0$	2 PLACES ± 0.13		DRWN: TMCCLELL			2005/03/10	APPR: MBANAKIS			2005/03/15	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
$\nabla = 0$	1 PLACE ± 0.25		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
$\nabla = 0$	0 PLACES \pm					A2-SIZE	75757	SEE TABLE		GENERAL MARKET		2 OF 2		