

RECOMMENDED PCB LAYOUT

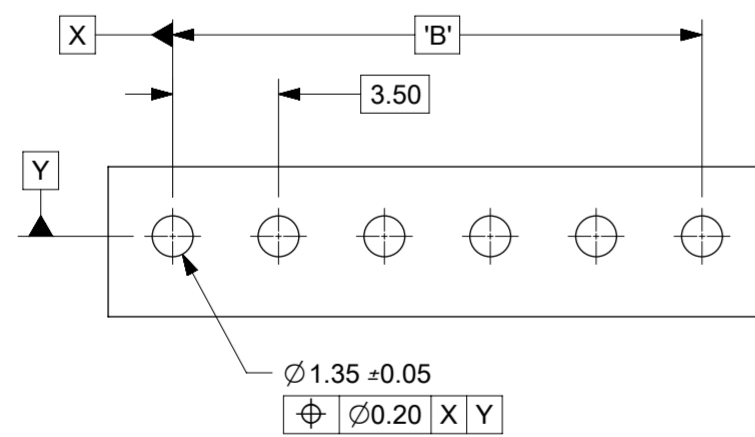
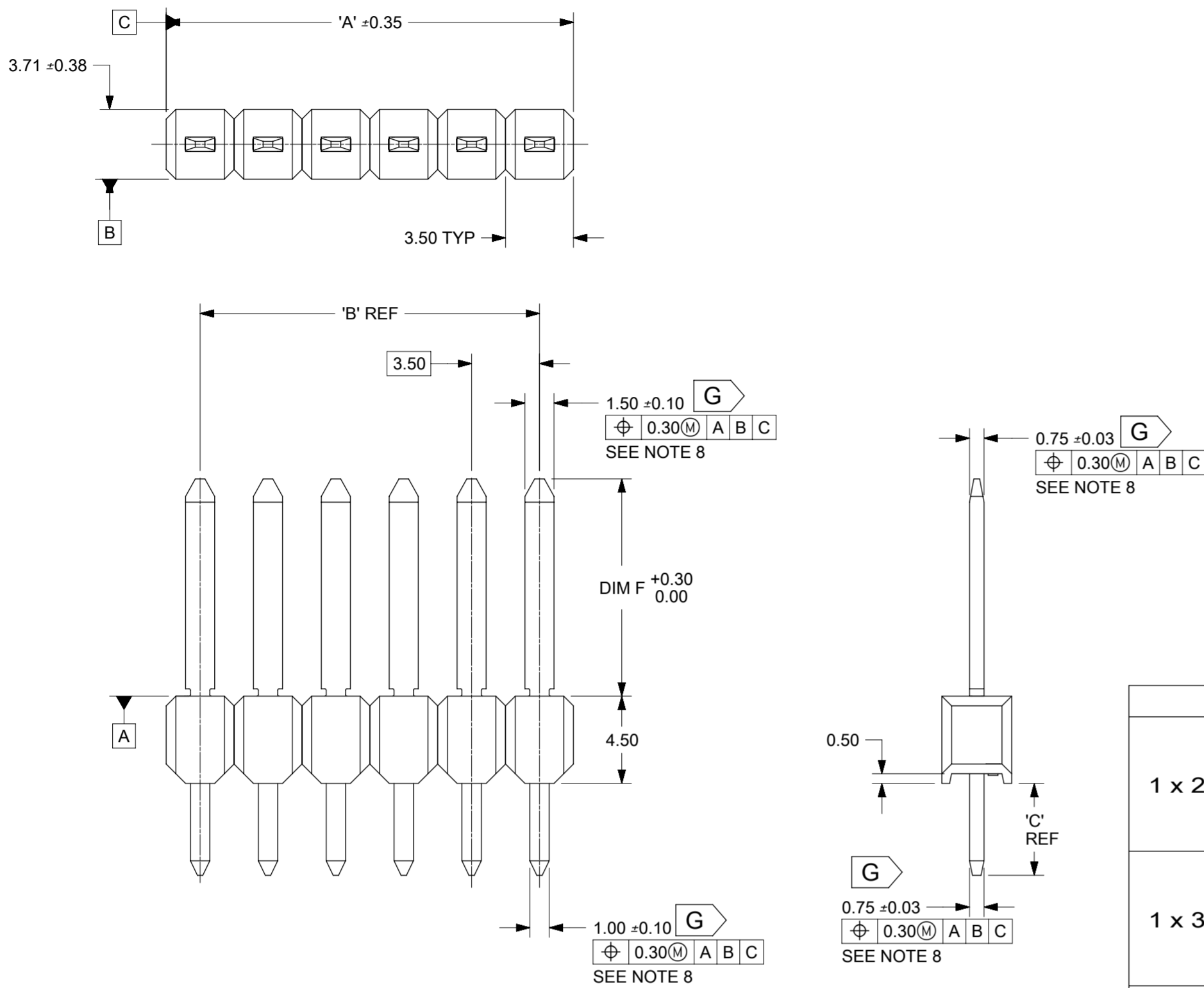
NOTES:

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
SYMBOLS	DIMENSION UNITS	SCALE	CURRENT REV DESC:						
	mm	4:1							
∇ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 604928						
∇ = 0	ANGULAR TOL ± 0.5°		4 PLACES ±		DRWN: RYELAVATTITH 2018/08/16		MX150 DUAL ROW UNSHROUDED VERTICAL HEADER ASSEMBLY		
∇ = 0	4 PLACES ±		3 PLACES ±		CHK'D: MYOUNG01 2018/09/26		PRODUCT CUSTOMER DRAWING		
∇ = 0	2 PLACES ± 0.13		2 PLACES ±		APPR: RBAUMAN 2018/09/27		INITIAL REVISION:		
∇ = 0	1 PLACE ± 0.25		1 PLACE ±		DRWN: DROSCA 2007/06/28		DOCUMENT NUMBER		
∇ = 0	0 PLACES ±		0 PLACES ±		APPR: JCOMERCI 2007/07/23		SD-75757-003		
∇ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOC TYPE   DOC PART   REVISION
∇ = 0			A2-SIZE		75757		MATERIAL NUMBER		PSD   001   A1
			SEE TABLE		CUSTOMER		SHEET NUMBER		
			GENERAL MARKET		1 OF 2				

2 x 2	1	75757-6121	7.0	3.50 REF
	2	75757-6221		
	3	75757-6321		
	4	75757-6421		
2 x 3	1	75757-6131	10.5	7.00
	2	75757-6231		
	3	75757-6331		
	4	75757-6431		
2 x 4	1	75757-6141	14.0	10.50
	2	75757-6241		
	3	75757-6341		
	4	75757-6441		
2 x 6	1	75757-6161	21.0	17.50
	2	75757-6261		
	3	75757-6361		
	4	75757-6461		
2 x 8	1	75757-6181	28.0	24.50
	2	75757-6281		
	3	75757-6381		
	4	75757-6481		
2 x 10	1	75757-6101	35.0	31.50
	2	75757-6201		
	3	75757-6301		
	4	75757-6401		
CKT SIZE	PLATING OPTION	MATERIAL NUMBER	"A" DIM	"B" DIM

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SYMBOLS	DIMENSION UNITS	SCALE	CURRENT REV DESC:				DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION	
= 0	mm	NTS	EC NO: 604928 DRWN: RYELAVATTITH 2018/08/16 CHK'D: MYOUNG01 2018/09/26 APPR: RBAUMAN 2018/09/27				<div style="text-align: center;"><b>molex</b></div> MX150 DUAL ROW UNSHROUDED VERTICAL HEADER ASSEMBLY						
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)												INITIAL REVISION:
= 0	ANGULAR TOL ± 0.5°						DRWN: DROSCA 2007/06/28 APPR: JCOMERCI 2007/07/23				PRODUCT CUSTOMER DRAWING		
= 0	4 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
= 0	3 PLACES	±						A2-SIZE	75757	SEE TABLE	GENERAL MARKET	2 OF 2	
= 0	2 PLACES	± 0.13											
= 0	1 PLACE	± 0.25											
= 0	0 PLACES	±											
= 0													



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

CKT SIZE	PLATING OPTION	TOOLED		TOOLED		TOOLED		TOOLED		STATUS						
		MATERIAL NUMBER	"F" DIM	"C" DIM	MATERIAL NUMBER	"F" DIM	"C" DIM	MATERIAL NUMBER	"F" DIM	"C" DIM	"A" DIM	"B" DIM				
1 x 2		1	11.20	3.05	75757-0121	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	11.20	3.05	75757-0131	11.20	4.75	75757-0132	16.09	3.05	75757-0133	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	11.20	3.05	75757-0141	11.20	4.75	75757-0142	16.09	3.05	75757-0143	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	11.20	3.05	75757-0151	11.20	4.75	75757-0152	16.09	3.05	75757-0153	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	11.20	3.05	75757-0161	11.20	4.75	75757-0162	16.09	3.05	75757-0163	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

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:							
∇ = 0	mm	4:1	EC NO: 604928 DRWN: RYELAVATTITH 2018/08/16 CHK'D: MYOUNG01 2018/09/26 APPR: RBAUMAN 2018/09/27							
∇ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)									
∇ = 0	ANGULAR TOL ± 0.5°		INITIAL REVISION: DRWN: TMCLELL 2006/01/27 APPR: MBANAKIS 2006/02/03							
∇ = 0	4 PLACES ±									
∇ = 0	3 PLACES ±		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-75757-010 DOC TYPE: PSD DOC PART: 001 REVISION: L3							
∇ = 0	2 PLACES ± 0.13									
∇ = 0	1 PLACE ± 0.25		MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 1							
∇ = 0	0 PLACES ±									
∇ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING: A2-SIZE		SERIES: 75757			



MX150 SINGLE ROW UNSHROUDED VERTICAL HEADER ASSEMBLY

PRODUCT CUSTOMER DRAWING

SD-75757-010 PSD 001 L3