

RECOMMENDED PCB LAYOUT

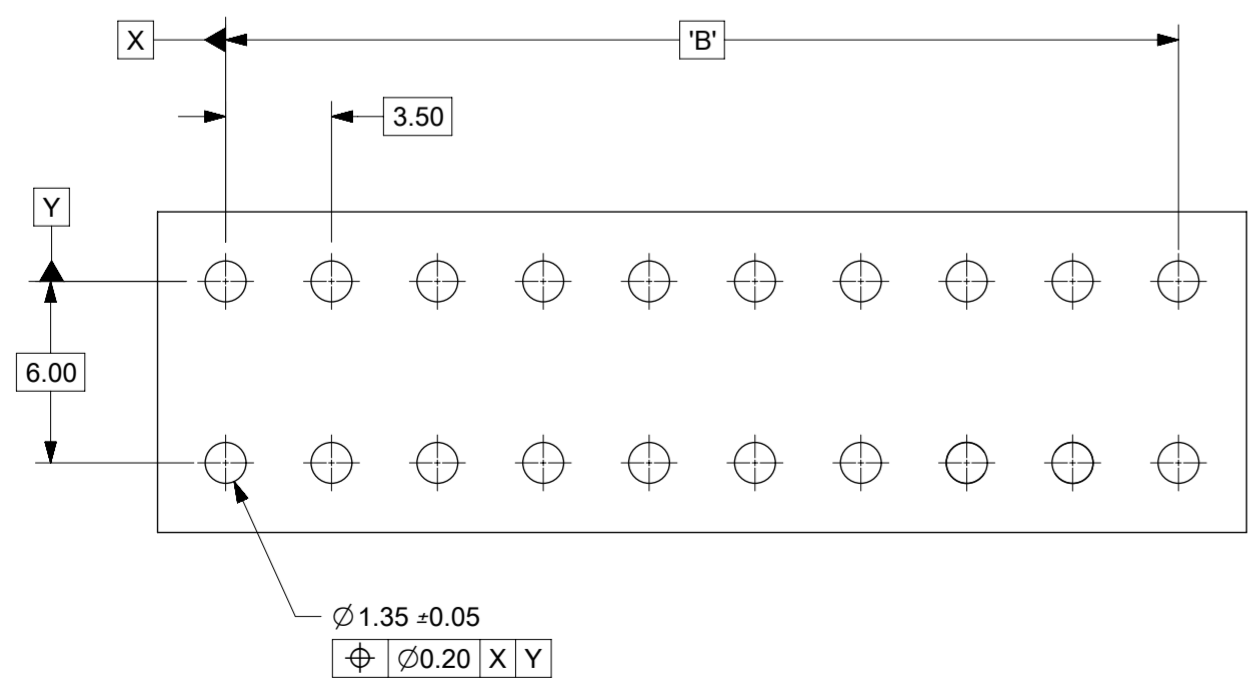
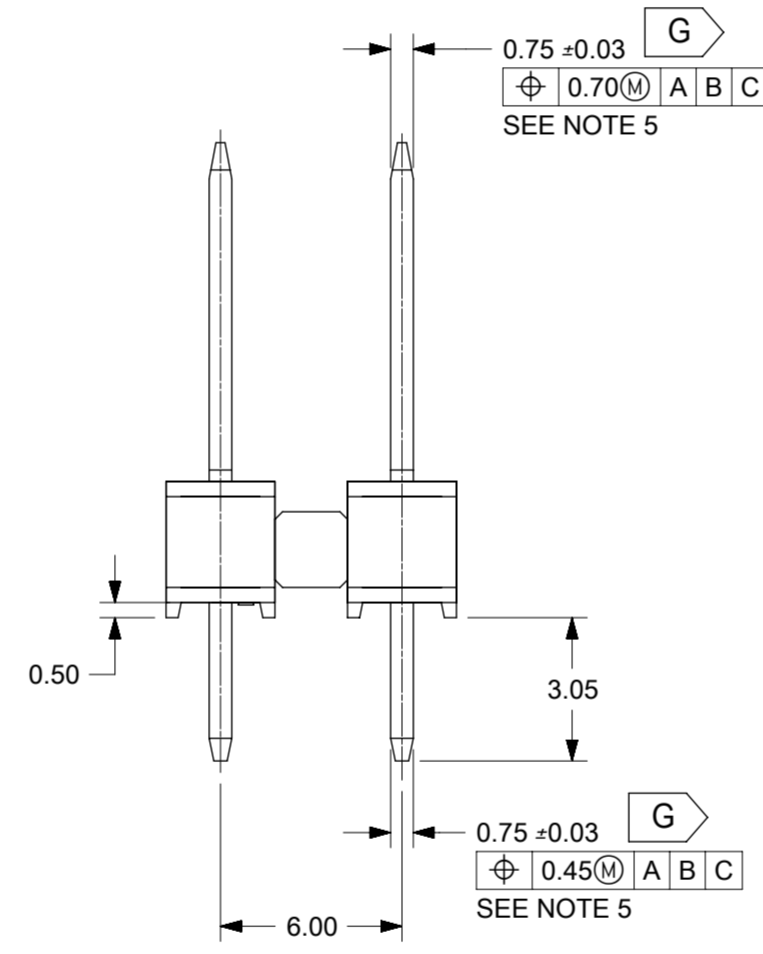
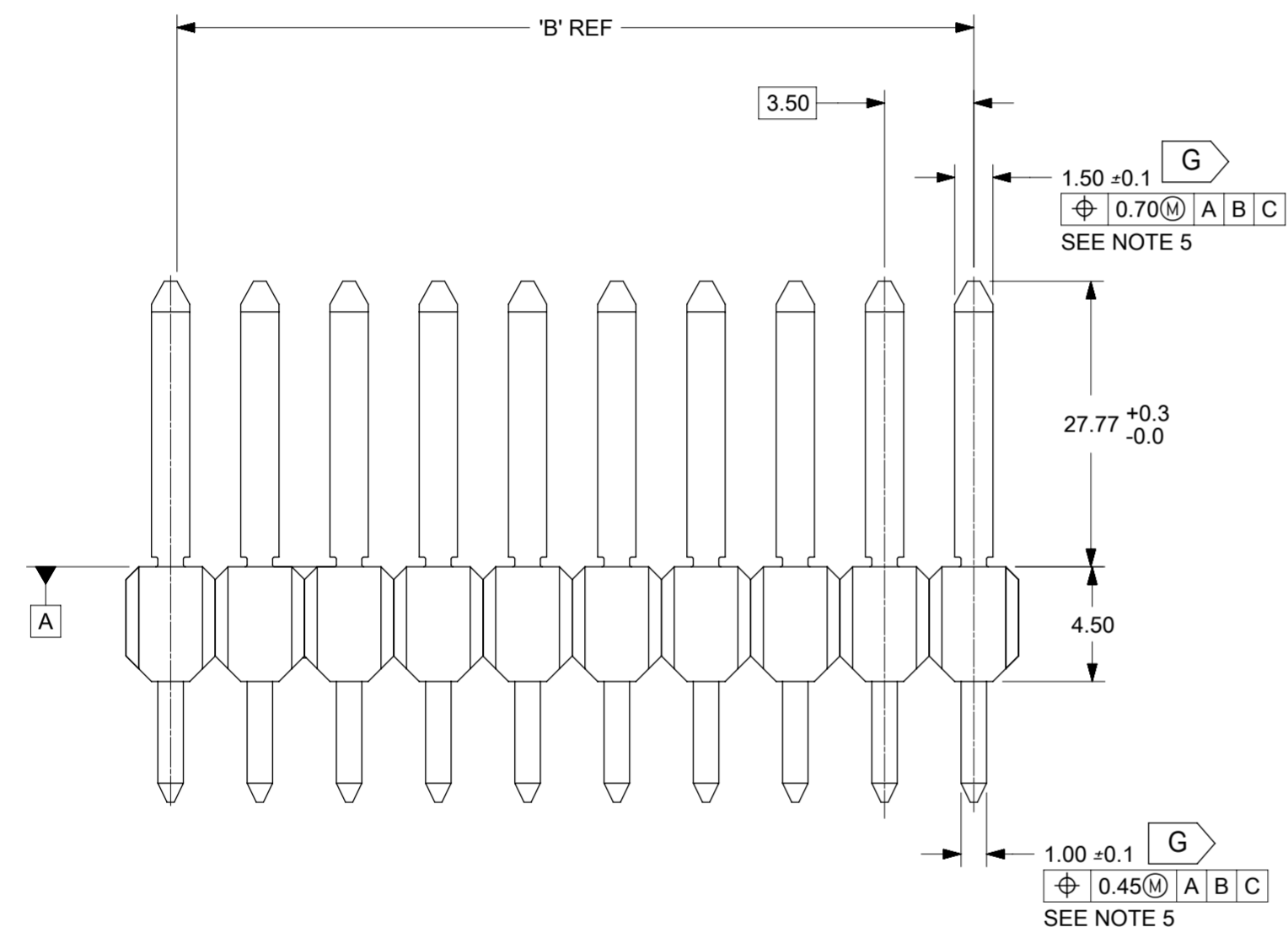
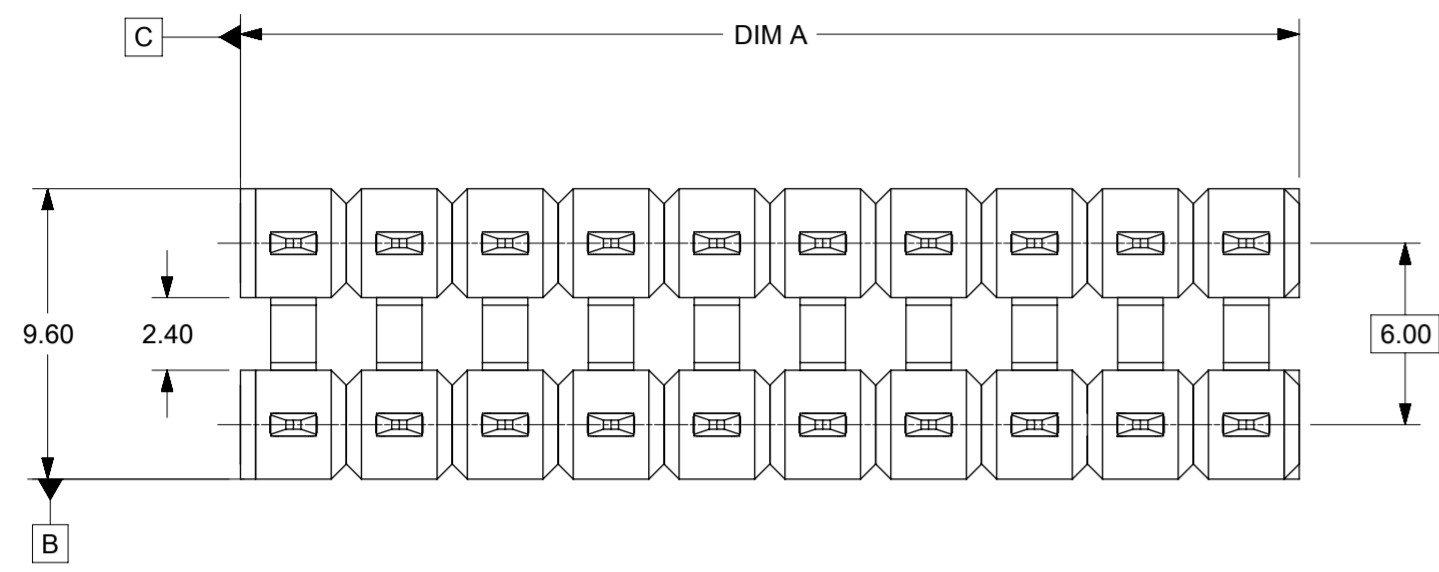
NOTES:

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:								
∇ = 0	mm	4:1									
∇ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 604928							PRODUCT CUSTOMER DRAWING	
∇ = 0	ANGULAR TOL ± 0.5°		DRWN: RYELAVATTITH 2018/08/16								
∇ = 0	4 PLACES ±		CHK'D: MYOUNG01 2018/09/26							MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 2	
∇ = 0	3 PLACES ±		APPR: RBAUMAN 2018/09/27								
∇ = 0	2 PLACES ± 0.13									DIMENSION UNITS: mm SCALE: 4:1 CURRENT REV DESC:	
∇ = 0	1 PLACE ± 0.25										
∇ = 0	0 PLACES ±									DIMENSION UNITS: mm SCALE: 4:1 CURRENT REV DESC:	
∇ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		
∇ = 0			A2-SIZE		75757		SEE TABLE		GENERAL MARKET		

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

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:											
= 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> <p>MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 2</p>											
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)													
= 0	ANGULAR TOL ± 0.5°													
= 0	4 PLACES	±												
= 0	3 PLACES	±												
= 0	2 PLACES	± 0.13												
= 0	1 PLACE	± 0.25												
= 0	0 PLACES	±												
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													
= 0	THIRD ANGLE PROJECTION													
			EC NO: 604928	DRWN: RYELAVATTITH	2018/08/16	CHK'D: MYOUNG01	2018/09/26	APPR: RBAUMAN	2018/09/27	INITIAL REVISION:	DRWN: TMCCLELL	2005/03/10	APPR: MBANAKIS	2005/03/15
			DRAWING	SERIES	A2-SIZE		75757							



RECOMMENDED PCB LAYOUT

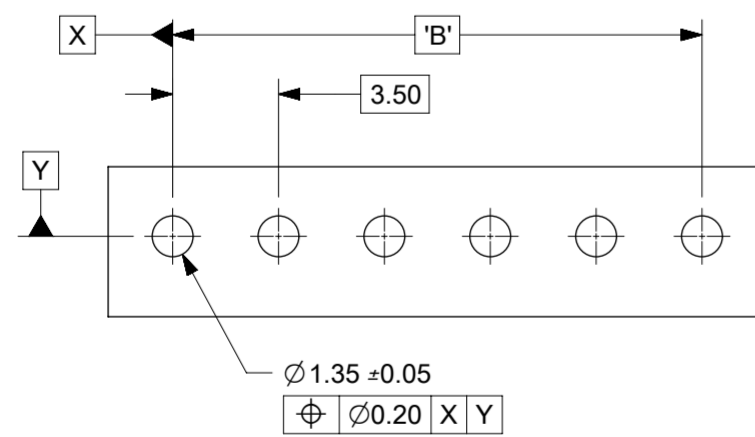
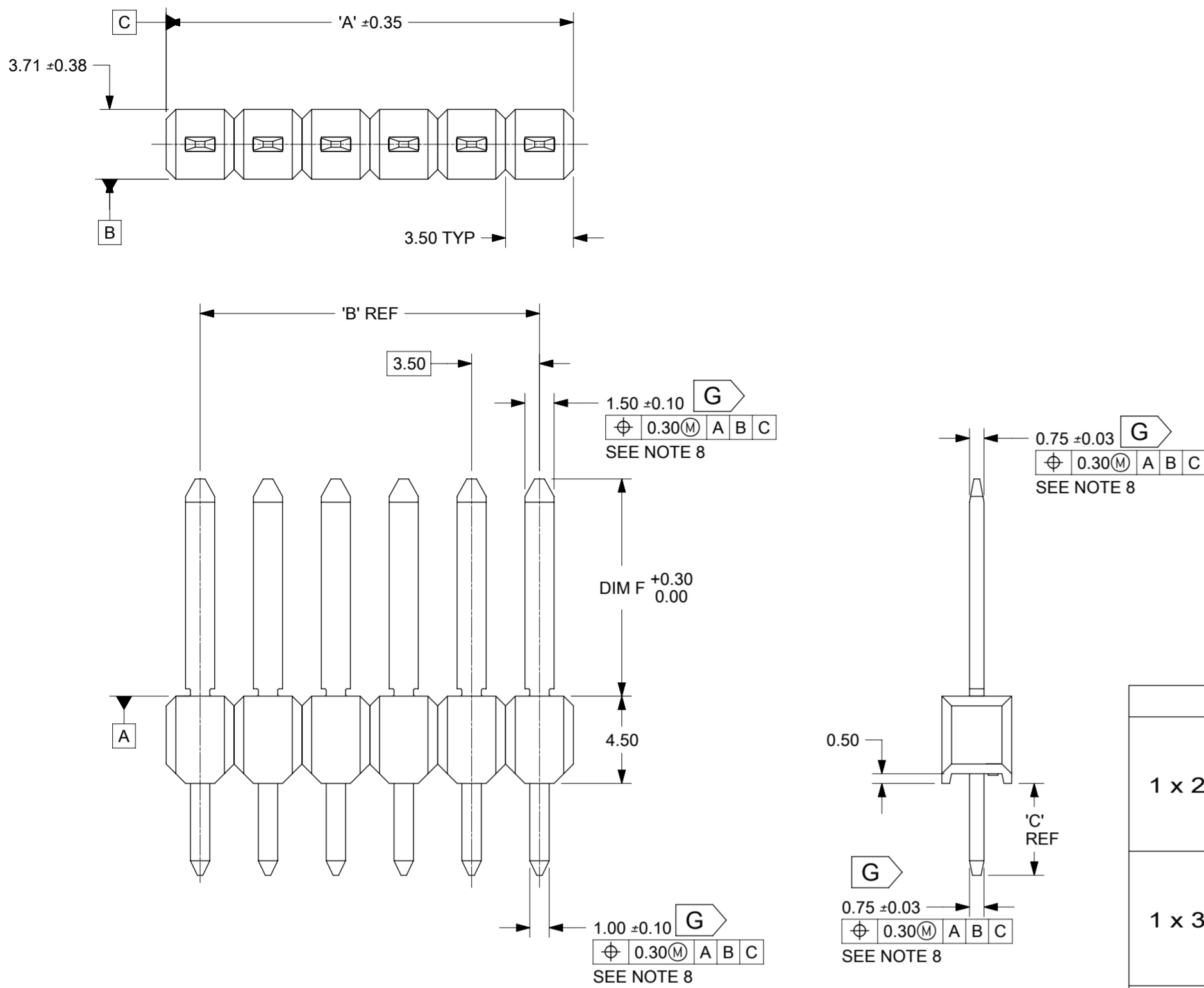
NOTES:

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:								
∇ = 0	mm	4:1	EC NO: 604928 DRWN: RYELAVATTITH 2018/08/16 CHK'D: MYOUNG01 2018/09/26 APPR: RBAUMAN 2018/09/27 INITIAL REVISION: DRWN: DROSCA 2007/06/28 APPR: JCOMERCI 2007/07/23								
∇ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)										
∇ = 0	ANGULAR TOL ± 0.5°										
∇ = 0	4 PLACES ±										
∇ = 0	3 PLACES ±										
∇ = 0	2 PLACES ± 0.13		PRODUCT CUSTOMER DRAWING								
∇ = 0	1 PLACE ± 0.25		DOCUMENT NUMBER								
∇ = 0	0 PLACES ±		SD-75757-003			DOC TYPE		DOC PART		REVISION	
∇ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			A2-SIZE		75757		SEE TABLE		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:				molex			
= 0	mm	NTS	EC NO: 604928 DRWN: RYELAVATTITH 2018/08/16 CHK'D: MYOUNG01 2018/09/26 APPR: RBAUMAN 2018/09/27				MX150 DUAL ROW UNSHROUDED VERTICAL HEADER ASSEMBLY			
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)									
= 0	ANGULAR TOL ± 0.5°						INITIAL REVISION:			DOCUMENT NUMBER
= 0	4 PLACES ±		DRWN: DROSCA 2007/06/28			SD-75757-003	PSD	001	A1	
= 0	3 PLACES ±		APPR: JCOMERCI 2007/07/23							
= 0	2 PLACES ± 0.13		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NUMBER	CUSTOMER		SHEET NUMBER	
= 0	1 PLACE ± 0.25		THIRD ANGLE PROJECTION		DRAWING	SERIES	SEE TABLE	GENERAL MARKET	2 OF 2	
= 0	0 PLACES ±				A2-SIZE	75757				



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	75757-0121	11.20	3.05	1	75757-0122	11.20	4.75	1	75757-0123	16.09	3.05	1	75757-0124	13.35	3.05	7	3.5
		2	75757-0221			2	75757-0222			2	75757-0223			2	75757-0224				
		3	75757-0321			3	75757-0322			3	75757-0323			3	75757-0324				
		4	75757-0421			4	75757-0422			4	75757-0423			4	75757-0424				
1 x 3		1	75757-0131	11.20	3.05	1	75757-0132	11.20	4.75	1	75757-0133	16.09	3.05	1	75757-0134	13.35	3.05	10.5	7.00
		2	75757-0231			2	75757-0232			2	75757-0233			2	75757-0234				
		3	75757-0331			3	75757-0332			3	75757-0333			3	75757-0334				
		4	75757-0431			4	75757-0432			4	75757-0433			4	75757-0434				
1 x 4		1	75757-0141	11.20	3.05	1	75757-0142	11.20	4.75	1	75757-0143	16.09	3.05	1	75757-0144	13.35	3.05	14.0	10.50
		2	75757-0241			2	75757-0242			2	75757-0243			2	75757-0244				
		3	75757-0341			3	75757-0342			3	75757-0343			3	75757-0344				
		4	75757-0441			4	75757-0442			4	75757-0443			4	75757-0444				
1 x 5		1	75757-0151	11.20	3.05	1	75757-0152	11.20	4.75	1	75757-0153	16.09	3.05	1	75757-0154	13.35	3.05	17.5	14.00
		2	75757-0251			2	75757-0252			2	75757-0253			2	75757-0254				
		3	75757-0351			3	75757-0352			3	75757-0353			3	75757-0354				
		4	75757-0451			4	75757-0452			4	75757-0453			4	75757-0454				
1 x 6		1	75757-0161	11.20	3.05	1	75757-0162	11.20	4.75	1	75757-0163	16.09	3.05	1	75757-0164	13.35	3.05	21.0	17.50
		2	75757-0261			2	75757-0262			2	75757-0263			2	75757-0264				
		3	75757-0361			3	75757-0362			3	75757-0363			3	75757-0364				
		4	75757-0461			4	75757-0462			4	75757-0463			4	75757-0464				

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