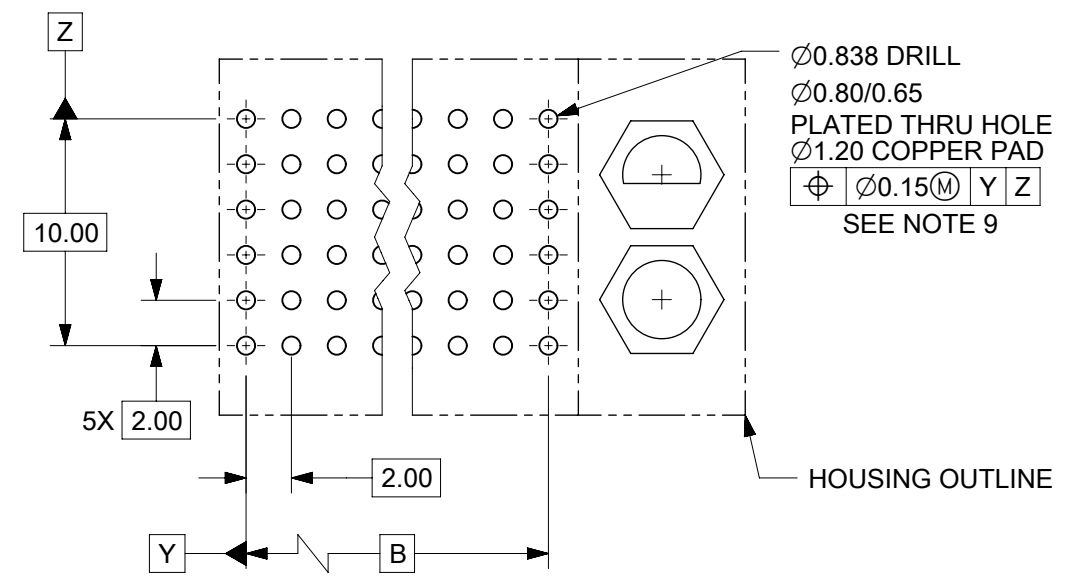


NOTES:

1. MATERIALS : HOUSING - LIQUID CRYSTAL POLYMER (LCP)
GLASS-FILLED, UL 94V-0, COLOR: BLACK
TERMINAL - PHOSPHOR BRONZE.
2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.76 MICROMETERS MINIMUM THICKNESS, NICKEL (Ni) AND GOLD FLASH OVERALL.
SELECTIVE GOLD (Au) IN CONTACT AREA, 0.76 MICROMETERS MINIMUM THICKNESS, SELECTIVE MATTE TIN (Sn) ON IN TAIL AREA.
NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
4. FOR MIXED CONTACT MATING LENGTHS, CONSULT FACTORY FOR AVAILABILITY.
5. DIMENSIONS ARE IN MILLIMETERS.
6. FOR SPECIFIC MATERIAL NUMBERS, SEE SHEET 2.
7. PACKAGE PER PK-70873-0818.
8. PARTS MARKED WITH PART NUMBER AND DATE CODE ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.
9. POSITION TOLERANCE ARE INSPECTED BY GAUGE 737270006 OR 737270011.



PCB LAYOUT : COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN.

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
$\nabla_A = 0$	DIMENSION UNITS: mm	SCALE: 2:1
$\nabla_B = 0$	CURRENT REV DESC: SEE REVISION TABLE ON SHEET 3	
$\nabla_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	ANGULAR TOL $\pm 0.5^\circ$	
DIVISIONAL SYMBOLS	4 PLACES \pm	EC NO: 719835
	3 PLACES \pm	DRWN: KRISHH1 2022/05/16
	2 PLACES ± 0.05	CHKD: JKACHLIC 2022/09/13
	1 PLACE ± 0.1	APPR: JKACHLIC 2022/09/13
	0 PLACES \pm	INITIAL REVISION:
		DRWN: RFC_PLMIMP 2018/11/28
		APPR: SREED 2003/05/15
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: B-SIZE
		SERIES: 73644
		MATERIAL NUMBER: SEE TABLE
		CUSTOMER: GENERAL MARKET
		SHEET NUMBER: 1 OF 3

DOCUMENT STATUS		P1	RELEASE DATE	2022/09/13	08:27:36
molex					
SALES ASSEMBLY, HDM BACKPLANE MODULE POLAR/GUIDE OPTION					
PRODUCT CUSTOMER DRAWING					
DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
SDA-73644-XXXX		PSD	001	L	

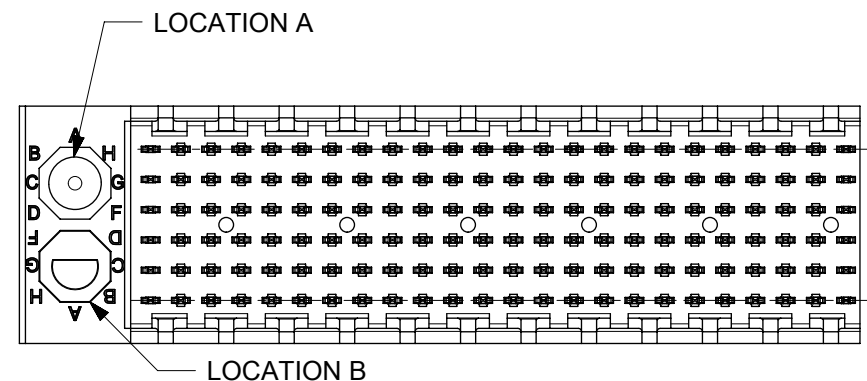
MATERIAL NUMBER	NUMBER OF SIGNAL CONTACTS	PLATING	DIM "A"	DIM "B"	DIM "M"
73644-00**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	5.00
73644-01**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	5.50
73644-02**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	6.00
73644-10**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	5.00
73644-11**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	5.50
73644-12**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	6.00
73644-20**	72	SELECTIVE GOLD/SELECTIVE MATTE TIN	31.60	22.00	5.00
73644-21**	72	SELECTIVE GOLD/SELECTIVE MATTE TIN	31.60	22.00	5.50
73644-22**	72	SELECTIVE GOLD/SELECTIVE MATTE TIN	31.60	22.00	6.00
73644-30**	144	SELECTIVE GOLD/SELECTIVE MATTE TIN	55.60	46.00	5.00
73644-31**	144	SELECTIVE GOLD/SELECTIVE MATTE TIN	55.60	46.00	5.50
73644-32**	144	SELECTIVE GOLD/SELECTIVE MATTE TIN	55.60	46.00	6.00

MATERIAL NUMBER ASSIGNMENT

73644 - * * * *

- CIRCUIT SIZE**
- 0= 72 CIRCUIT, GOLD/GOLD FLASH
 - 1= 144 CIRCUIT, GOLD/GOLD FLASH
 - 2= 72 CIRCUIT, GOLD/MATTE TIN
 - 3= 144 CIRCUIT, GOLD/MATTE TIN
 - * FORMERLY TIN/ LEAD
- MATING LENGTH**
- 0= 5.00 MATING LENGTH
 - 1= 5.50 MATING LENGTH
 - 2= 6.00 MATING LENGTH

NUMBER	GUIDE POST LOCATION	POLAR KEY POSITION
00	B	A
01	A	A
02	B	B
03	A	B
04	B	C
05	A	C
06	B	D
07	A	D
08	B	E
09	A	E
10	B	F
11	A	F
12	B	G
13	A	G
14	B	H
15	A	H
16	B	N/A
17	A	N/A
18	N/A	N/A



REF. MATERIAL NUMBER 73644-0009
GUIDE PIN IS IN LOCATION A
POLARIZING KEY IS IN LOCATION B, POSITION E




REF. MATERIAL NUMBER 73644-0008
GUIDE PIN IS IN LOCATION B
POLARIZING KEY IS IN LOCATION A, POSITION E

FUNCTIONAL 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: SEE REVISION TABLE ON SHEET 3									
mm					2:1														
GENERAL TOLERANCES (UNLESS SPECIFIED)																			
ANGULAR TOL ± 0.5°																			
4 PLACES ±																			
DIVISIONAL SYMBOLS										EC NO: 719835									
3 PLACES ±					2022/05/16					DRWN: KRISHH1									
2 PLACES ± 0.05					2022/09/13					CHKD: JKACHLIC									
1 PLACE ± 0.1					2022/09/13					APPR: JKACHLIC									
0 PLACES ±					INITIAL REVISION:					DRWN: RFC_PLMIMP									
					2018/11/28					APPR: SREED									
					2003/05/15														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION					DRAWING					SERIES				
					B-SIZE					73644					MATERIAL NUMBER				
										SEE TABLE					CUSTOMER				
										GENERAL MARKET					SHEET NUMBER				
															2 OF 3				

F
E
D
C
B
A

DATE	REV	DESCRIPTION
05/19/2022	L	1. DRAWING MIGRATION. 2. SHEET 1: E07: DIMENSION 0.92 REMOVED BECAUSE DIM 'A' AND DIM 'B' ARE WITH SAME CENTER LINE, SO DIM 0.92 IS NOT REQUIRED. 3. SHEET 1: C09: DIM 0.42 CHANGED TO 0.40±0.03MM, TO FOLLOW ACTUAL COMPONENT DIMENSION. 0.39 4. SHEET 1: D06: TOLERANCE OF DIM 'A' CHANGED TO ±0.15 FROM ±0.10, TO FOLLOW ACTUAL COMPONENT DIMENSION. 5. SHEET 1: C10: DIM 2.00 CHANGED TO DIM 2.0 TO INCREASE THE TOLERANCE TO FOLLOW ACTUAL COMPONENT DIMENSION. 6. SHEET 1: E04: ADDED NOTE 9 FOR POSITION TOLERANCE MEASUREMENT. 7. SHEET 1: E08, E07, C04, B03 : REMOVED BRACKET FROM THE BASIC DIMENSION 10.00 , B , 10.00 , B RESPECTIVELY FOR TP CONTROL 8. SHEET 1: B08, C10, C06, C01 : ADDED "SEE NOTE 8" FOR TP CONTROL 9. SHEET 1: C08: DIM 7.05±0.20 AND 14.35±0.15 CHANGED TO 7.05±0.25 AND 14.35±0.15 RESPECTIVELY.

FUNCTIONAL SYMBOLS										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
$\frac{E}{A} = 0$ $\frac{E}{Z} = 0$ $\frac{E}{V} = 0$		DIMENSION UNITS mm		SCALE 1:1		CURRENT REV DESC: SEE REVISION TABLE ON SHEET 3						 SALES ASSEMBLY, HDM BACKPLANE MODULE POLAR/GUIDE OPTION									
GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± 0.5°		EC NO: 719835 DRWN: KRISHH1 CHKD: JKACHLIC APPR: JKACHLIC																	
DIVISIONAL SYMBOLS		4 PLACES ±		3 PLACES ±		2 PLACES ± 0.05		1 PLACE ± 0.1		0 PLACES ±		INITIAL REVISION: DRWN: RFC_PLMIMP APPR: SREED				PRODUCT CUSTOMER DRAWING					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING B-SIZE		SERIES 73644		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		DOCUMENT NUMBER SDA-73644-XXXX		DOC TYPE PSD		DOC PART 001		REVISION L	

MATERIAL NUMBER	NUMBER OF SIGNAL CONTACTS	PLATING	DIM "A"	DIM "B"	DIM "M"
73644-00**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	5.00
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73644-12**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	6.00
73644-20**	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	31.60	22.00	5.00
73644-21**	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	31.60	22.00	5.50
73644-22**	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	31.60	22.00	6.00
73644-30**	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	55.60	46.00	5.00
73644-31**	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	55.60	46.00	5.50
73644-32**	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	55.60	46.00	6.00

MATERIAL NUMBER ASSIGNMENT

73644- * * * *

0 = 72-CIRCUIT, GOLD/GOLD FLASH
 1 = 144-CIRCUIT, GOLD/GOLD FLASH
 2 = 72-CIRCUIT, GOLD/TIN-LEAD
 3 = 144-CIRCUIT, GOLD/TIN-LEAD

0 = 5.00 MATING LENGTH
 1 = 5.50 MATING LENGTH
 2 = 6.00 MATING LENGTH

NUMBER	GUIDE POST LOCATION	POLAR KEY POSITION
00	B	A
01	A	
02	B	B
03	A	
04	B	C
05	A	
06	B	D
07	A	
08	B	E
09	A	
10	B	F
11	A	
12	B	G
13	A	
14	B	H
15	A	
16	B	
17	A	
18	N/A	N/A



REF. MATERIAL NUMBER 73644-0009
 GUIDE PIN IS IN LOCATION A
 POLARIZING KEY IS IN LOCATION B, POSITION E

REF. MATERIAL NUMBER 73644-0008
 GUIDE PIN IS IN LOCATION B
 POLARIZING KEY IS IN LOCATION A, POSITION E

DIMENSIONS SHOWN (METRIC) INCH				□ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM													
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°				TITLE													
<table border="1" style="margin: auto;"> <thead> <tr> <th></th> <th>INCH</th> <th>METRIC</th> </tr> </thead> <tbody> <tr> <td>3 PLACE</td> <td>± N/A</td> <td>---</td> </tr> <tr> <td>2 PLACE</td> <td>± N/A</td> <td>± N/A</td> </tr> <tr> <td>1 PLACE</td> <td>---</td> <td>± N/A</td> </tr> </tbody> </table>					INCH	METRIC	3 PLACE	± N/A	---	2 PLACE	± N/A	± N/A	1 PLACE	---	± N/A	SALES ASSY, HDM BACKPLANE MODULE, POLAR/GUIDE OPTION	
	INCH	METRIC															
3 PLACE	± N/A	---															
2 PLACE	± N/A	± N/A															
1 PLACE	---	± N/A															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MOLEX INCORPORATED SHEET NO. 2 DATE 96/12/18 LISLE, ILL. 60532 U.S.A.													
D				SEE SHEET I													
LTR. REVISIONS				LTR. REVISIONS													
DRWG. BY JRR CHK'D. BY SMR				PART NO. SEE CHART DRWG. NO. SDA-73644-****													
APP'D. BY CAB SCALE ---:---				FILE NAME S73644X2 DGN THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. DIV. DA SIZE B													