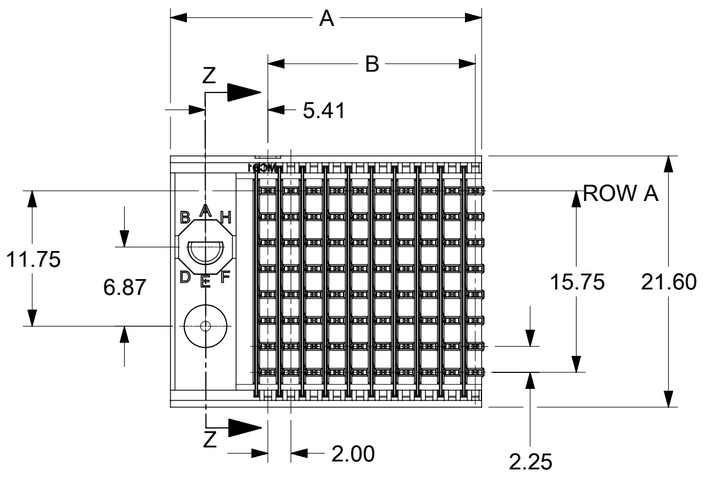
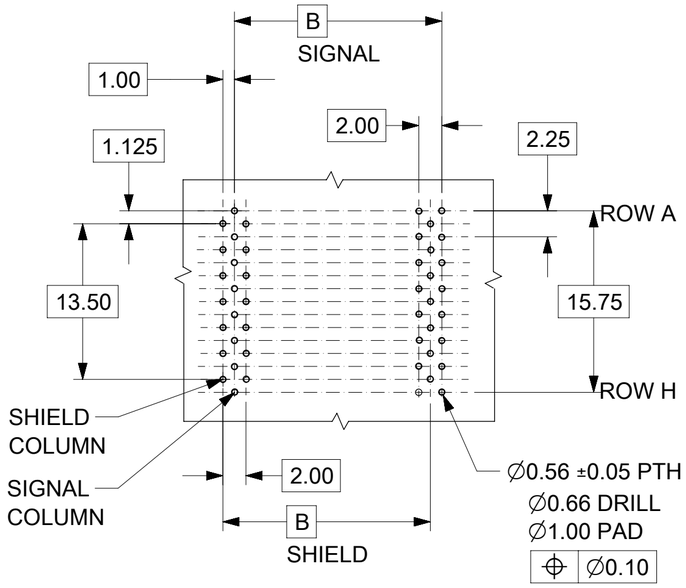
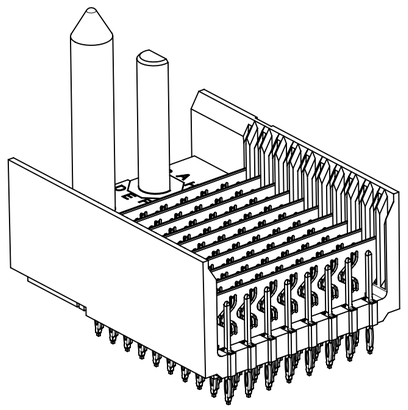
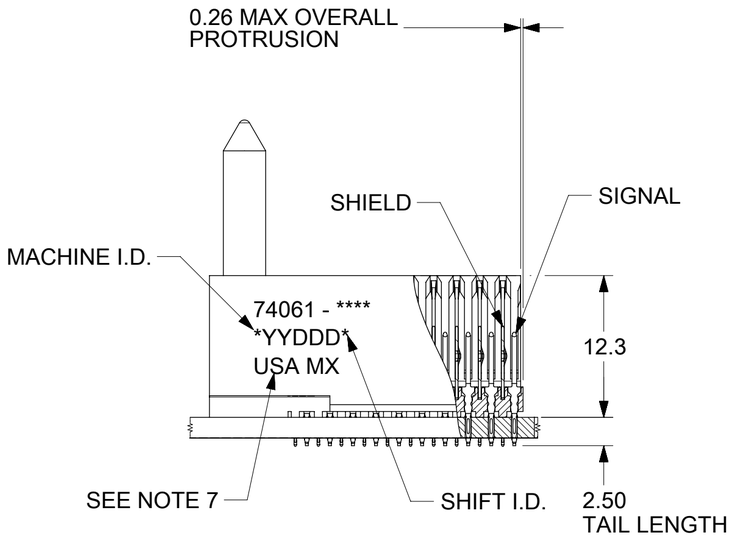
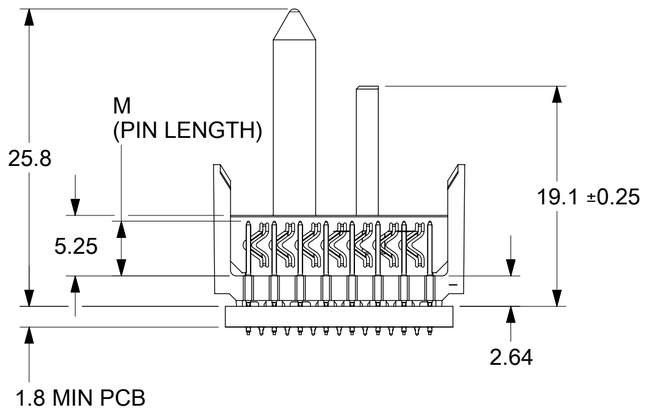




BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSION







NOTES:
1. MATERIALS:
   HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL 94V-0, COLOR: BLACK
   SIGNAL PIN & SHIELD - COPPER ALLOY
2. FINISHES:
   CONTACT AREA: SELECTIVE GOLD (Au)
   PCB TAILS: SELECTIVE MATTE TIN (Sn)
   NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999
4. FOR MIXED CONTACT LENGTHS CONSULT MOLEX FOR AVAILABILITY
5. FOR SPECIFIC MATERIAL NUMBERS & MATING INFORMATION REFER TO SHEET 2
6. PACKAGE PER PK-74061-003
7. MARK PART WITH PART NUMBER & DATE CODE APPROXIMATELY WHERE SHOWN
8. MAPS (MOLEX ADVANCED PLATING SYSTEM).

THE PRIMARY CARTON WITH A LABEL STATING
"ELV AND RoHS COMPLAINT" IS LEAD FREE.
CARTONS WITHOUT THIS LABEL MAY CONTAIN LEAD.

DOCUMENT STATUS	P1	RELEASE DATE	2022/06/22 14:10:33

FORMAT: Eng-lega-master-tb-prod-C
REVISION: K
DATE: 2021/05/01

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	2.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE ON SHEET 3

EC NO: 708673
DRWN: SANTHN 2022/05/26
CHK'D: GGA 2022/06/22
APPR: GGA 2022/06/22

INITIAL REVISION:
DRWN: JMELTON 2010/05/19
APPR: SMILLER 2010/07/14

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 74061

molex

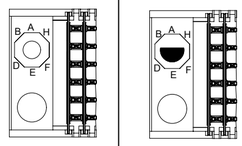
VHDM 8 ROW
SIGNAL END BACKPLANE SALES ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-74061-002	PSD	001	P1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 3

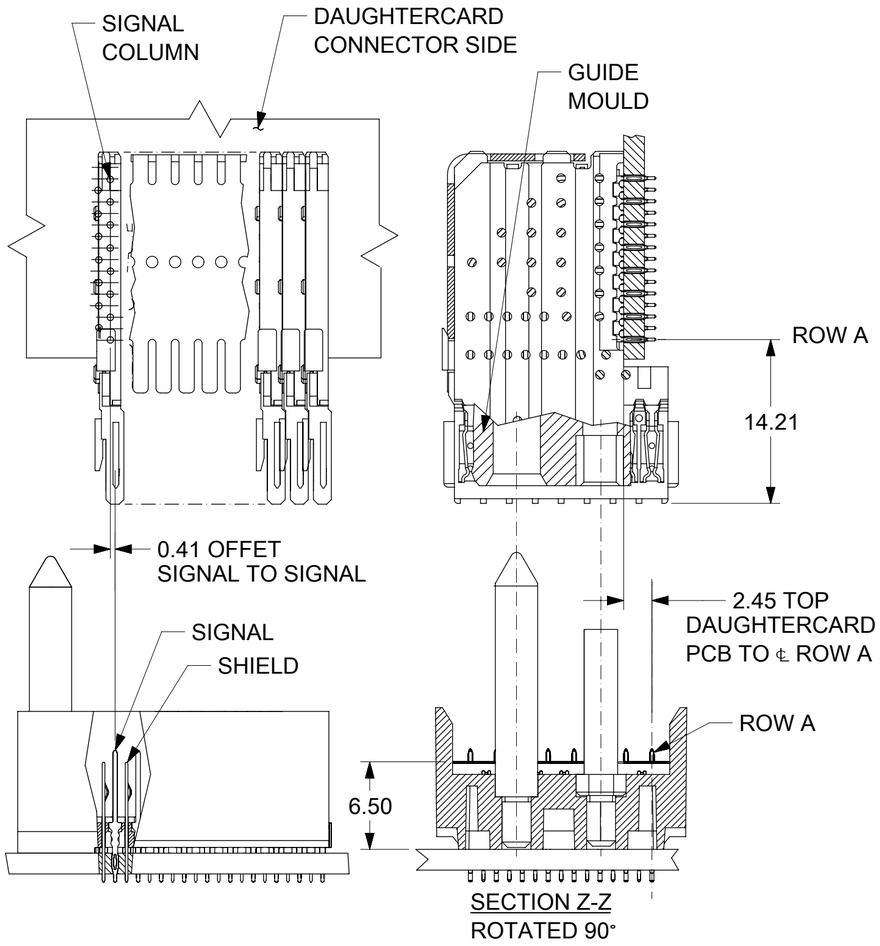
TABLE 3									
M/N 74061 - ( )	* * 0 *	* * 1 *	* * 2 *	* * 3 *	* * 4 *	* * 5 *	* * 6 *	* * 7 *	* * 8 *
KEYING PIN ORIENTATION	O	A	B	C	D	E	F	G	H



74061-* * * *

NUMBER OF COLUMNS/PLATING
10 = 10 COLUMN MATTE TIN (FORMERLY TIN/LEAD)
12 = 12 COLUMN MATTE TIN (FORMERLY TIN/LEAD)
25 = 25 COLUMN MATTE TIN (FORMERLY TIN/LEAD)
60 = 10 COLUMN MATTE TIN (MAPS)
62 = 12 COLUMN MATTE TIN (MAPS)
75 = 25 COLUMN MATTE TIN (MAPS)
90 = 10 COLUMN MATTE TIN
92 = 12 COLUMN MATTE TIN
85 = 25 COLUMN MATTE TIN

CONTACT LOAD (PIN LENGTH)
1 & 6 = 4.75
2 & 7 = 6.25
3 & 8 = 4.25
4 & 9 = 5.15



PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	GOLD THICKNESS MICROMETER	TIN THICKNESS MICROMETER
74061-60*1	10	80	10	27.00	18.00	4.75	0.25 MAPS	0.76-1.52
74061-*0*1							0.76	
74061-*0*6							1.27	
74061-75*1	25	200	25	57.00	48.00		0.25 MAPS	
74061-*5*1							0.76	
74061-*5*6							1.27	
74061-60*2	10	80	10	27.00	18.00	6.25	0.25 MAPS	
74061-*0*2							0.76	
74061-*0*7							1.27	
74061-75*2	25	200	25	57.00	48.00		0.25 MAPS	
74061-*5*7							1.27	
74061-60*3	10	80	10	27.00	18.00	4.25	0.25 MAPS	
74061-*0*8							1.27	
74061-75*3	25	200	25	57.00	48.00		0.25 MAPS	
74061-*5*8							1.27	
74061-60*4	10	80	10	27.00	18.00	5.15	0.25 MAPS	
74061-*0*4							0.76	
74061-*0*9							1.27	
74061-75*4	25	200	25	57.00	48.00		0.25 MAPS	
74061-*5*4							0.76	
74061-*5*9							1.27	

PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	GOLD THICKNESS MICROMETER	TIN THICKNESS MICROMETER
74061-62*1	12	96	12	31.00	22.00	4.75	0.25 MAPS	0.76-1.52
74061-*2*1							0.76	
74061-*2*6							1.27	
74061-62*2	12	96	12	31.00	22.00	6.25	0.25 MAPS	
74061-*2*7							1.27	
74061-62*3	12	96	12	31.00	22.00	4.25	0.25 MAPS	
74061-*2*8							1.27	
74061-62*4	12	96	12	31.00	22.00	5.15	0.25 MAPS	
74061-*2*9							1.27	

DOCUMENT STATUS	P1	RELEASE DATE	2022/06/22 14:10:33

FUNCTIONAL SYMBOLS
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FP = 0
DIVISIONAL SYMBOLS

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DIMENSION UNITS: mm
SCALE: 2.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE ON SHEET 3

EC NO: 708673
DRWN: SANTHN 2022/05/26
CHK'D: GGA 2022/06/22
APPR: GGA 2022/06/22

INITIAL REVISION:
DRWN: JMELTON 2010/05/19
APPR: SMILLER 2010/07/14

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 74061

molex

VHDM 8 ROW
SIGNAL END BACKPLANE SALES ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-74061-002	PSD	001	P1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	2 OF 3

FORMAT: Eng-lega-master-tb-prod-C
REVISION: E1
DATE: 2021/05/01

DATE	REV	DESCRIPTION
2022/06/09	P1	1. DRAWING MIGRATION 2. SHEET 1: D07: DIM 5.25 CORRECTED TO 5.76 AS PER COMPONENTS 3. SHEET 1: D05: DIM 19.0 IS CHANGED TO 19.1 AND TOLERANCE ADDED ± 0.25 TO MAINTAIN HIGHER TOLERANCE THAN E- DRAWING 4. REMOVED OBSOLETED PART NUMBER AS PER PCN#509989.

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FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE ON SHEET 3

EC NO: 708673
DRWN: SANTHN 2022/05/26
CHK'D: GGA 2022/06/22
APPR: GGA 2022/06/22

INITIAL REVISION:
DRWN: DRAWN BY 0099/99/99
APPR: APPR BY 0099/99/99

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 74061

molex

VHDM 8 ROW
SIGNAL END BACKPLANE SALES ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-74061-002	PSD	001	P1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2022/06/22 14:10:33

FORMAT: Eng-lega-master-tb-prod-C
REVISION: E1
DATE: 2021/05/01