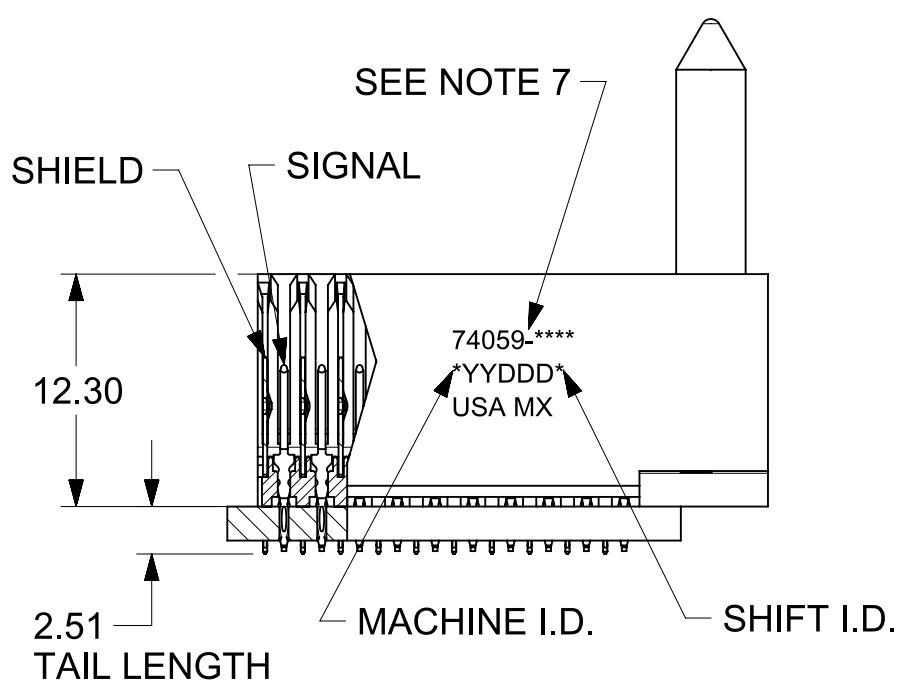
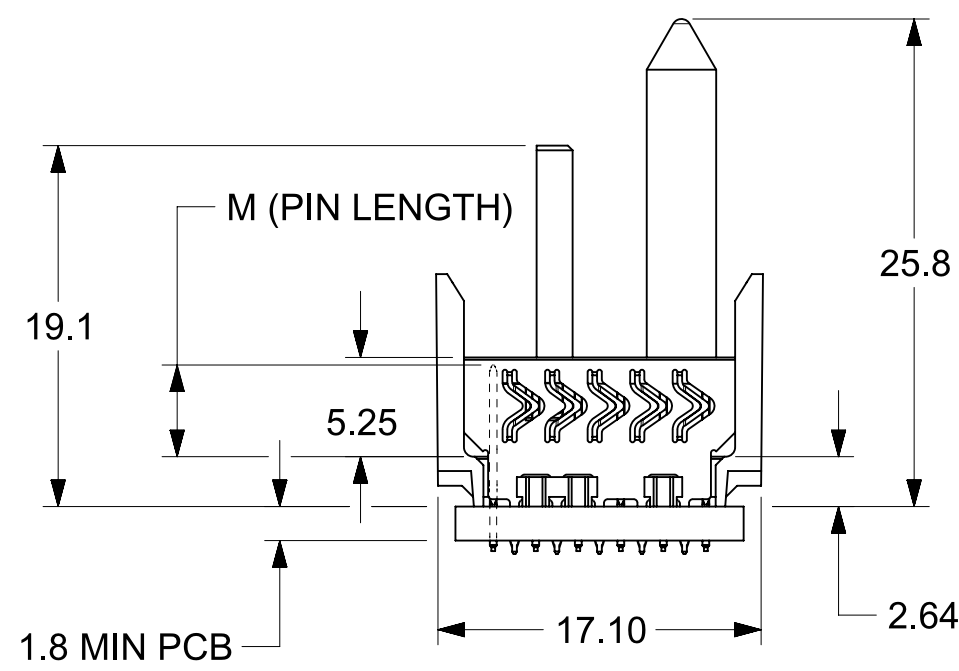
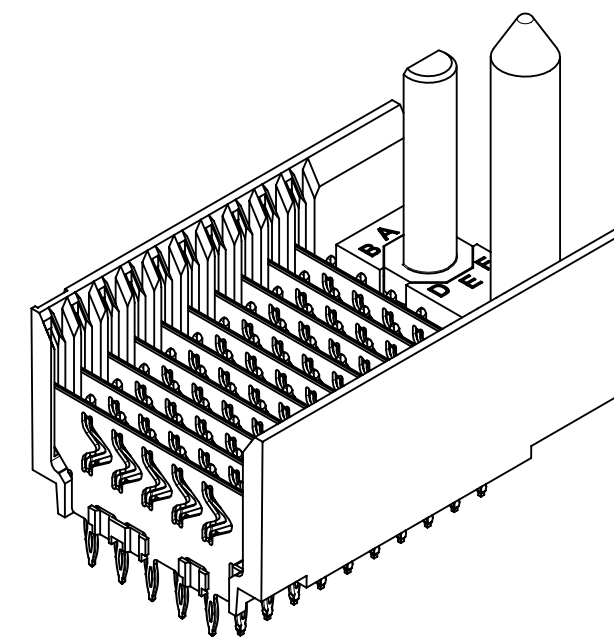
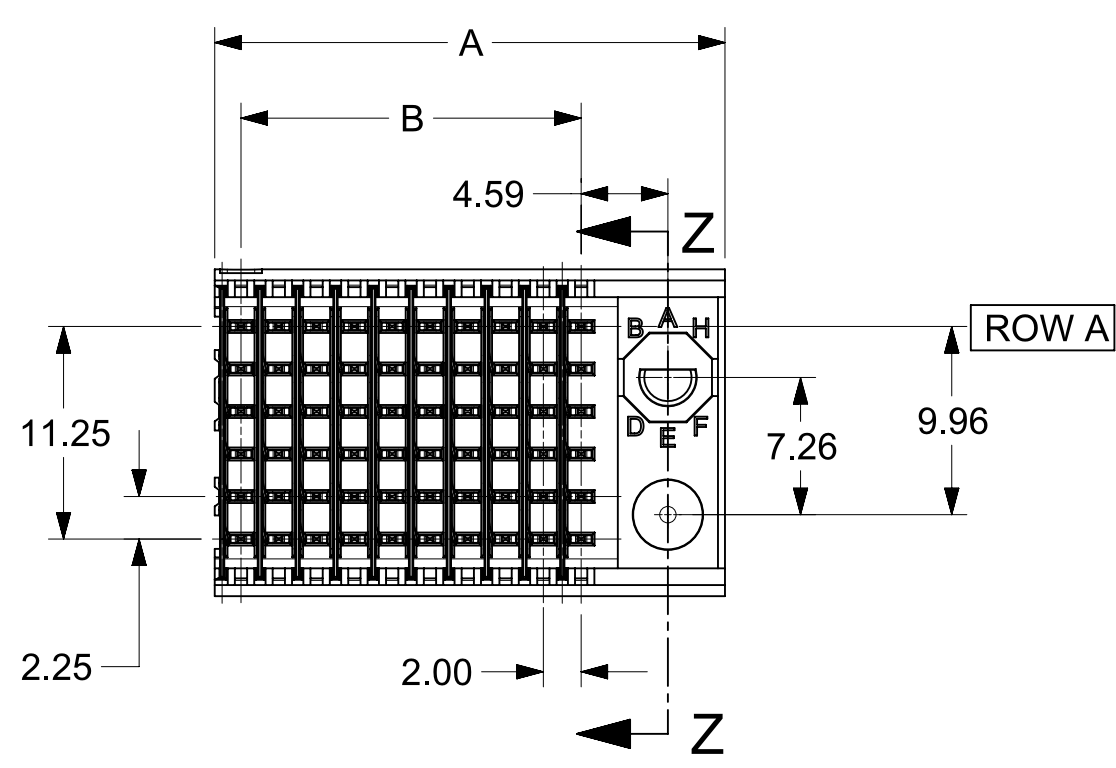
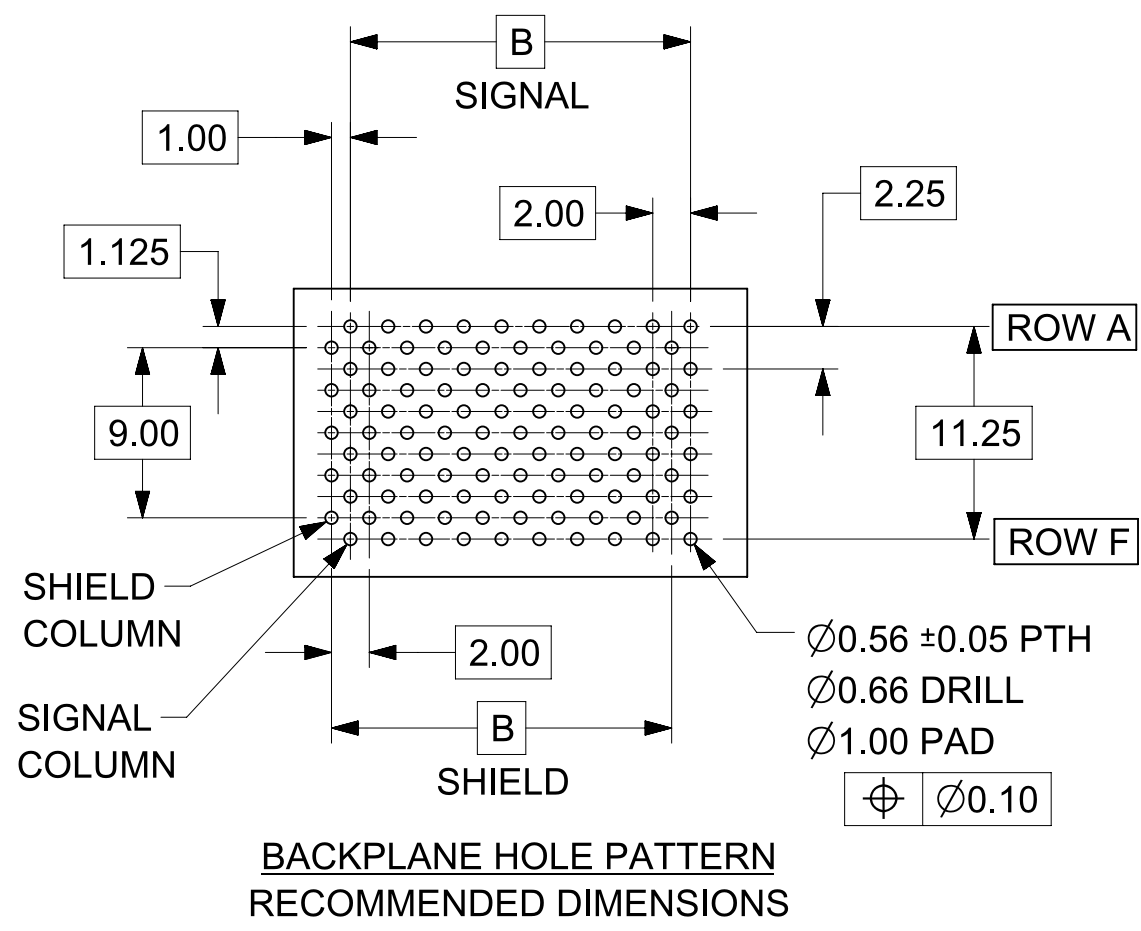


12 11 10 9 8 7 6 5 4 3 2 1



- 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 AND 3
 6. PACKAGE PER PK-74058-003
 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.

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515988				molex		
MM		2.5:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)				VHDM 6 ROW SHIELD END BACKPLANE SALES DRAWING						
	MM	INCH								
4 PLACES	±	±								
3 PLACES	±	±								
2 PLACES	± 0.100	±	PRODUCT CUSTOMER DRAWING							
1 PLACE	± 0.25	±								
0 PLACES	±	±	DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION		
ANGULAR TOL ± 0.5°			SD-74059-002		PSD		001	P1		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				C-SIZE	74059	SEE TABLE		GENERAL MARKET		1 OF 3

molex

VHDM 6 ROW
SHIELD END BACKPLANE SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOC TYPE
PSD
DOC PART
001
REVISION
P1

12 11 10 9 8 7 6 5 4 3 2 1

M/N
74059-()

KEYING PIN
ORIENTATION

-**0*

0

-**1*

A

-**2*

B

-**3*

C

-**4*

D

-**5*

E

-**6*

F

-**7*

G

-**8*

H

74059-****

NUMBER OF COLUMNS/PLATING

10 = 10 COLUMN MATTE TIN (FORMERLY TIN/LEAD)
21 = 11 COLUMN MATTE TIN (FORMERLY TIN/LEAD)
25 = 25 COLUMN MATTE TIN (FORMERLY TIN/LEAD)
60 = 10 COLUMN MATTE TIN (MAPS)
71 = 11 COLUMN MATTE TIN (MAPS)
75 = 25 COLUMN MATTE TIN (MAPS)
90 = 10 COLUMN MATTE TIN
81 = 11 COLUMN MATTE TIN
85 = 25 COLUMN MATTE TIN

CONTACT LOAD
(PIN HEIGHT)

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
74059-60*1	10	60	10	27.00	18.00	4.75	0.25 MAPS	0.76-1.52
74059-*0*1							0.76	
74059-*0*6							1.27	
74059-75*1	25	150	25	57.00	48.00	6.25	0.25 MAPS	
74059-*5*6							1.27	
74059-60*2							0.76	
74059-*0*2	10	60	10	27.00	18.00	4.25	0.25 MAPS	
74059-75*2							1.27	
74059-*5*2							0.76	
74059-60*3	10	60	10	27.00	18.00	5.15	0.25 MAPS	
74059-*0*8							1.27	
74059-75*3							0.76	
74059-*5*8	25	150	25	57.00	48.00	6.25	0.25 MAPS	
74059-60*4							1.27	
74059-*0*4							0.76	
74059-*0*9	10	60	10	27.00	18.00	4.75	0.25 MAPS	
74059-75*4							1.27	
74059-*5*4							0.76	
74059-*5*9	25	150	25	57.00	48.00	5.15	1.27	

PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	GOLD THICKNESS MICROMETER	TIN THICKNESS MICROMETER
74059-71*1	11	66	11	29.00	20.00	4.75	0.25 MAPS	0.76-1.52
74059-*1*1							0.76	
74059-*1*6							1.27	
74059-71*2	11	66	11	29.00	20.00	6.25	0.25 MAPS	
74059-*1*2							0.76	
74059-71*3							1.27	
74059-*1*8	11	66	11	29.00	20.00	4.25	0.25 MAPS	
74059-*1*3							1.27	
74059-*1*4							0.76	
74059-*1*4	11	66	11	29.00	20.00	5.15	0.25 MAPS	
74059-*1*9							1.27	

SIGNAL COLUMN

CONNECTOR SIDE DAUGHTERCARD

0.41 OFFSET SIGNAL TO SIGNAL

SIGNAL

SHIELD

GUIDE MODULE

ROW A

12.36

0.66 TOP DAUGHTERCARD PCB TO CL ROW A

ROW A

6.50

SECTION Z-Z ROTATED 90°

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DIMENSION UNITS

SCALE

MM

2.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

±

0.100

±

1 PLACE

±

0.25

±

0 PLACES

±

±

ANGULAR TOL

±

0.5°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

C-SIZE

74059

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515988

STATUS: Production

DRWN: Sampreet S Mirajkar

CHK'D: Ganesh Rao B

APPR: Gurunandan GA

2025-11-17

2025-12-01

2025-12-01

INITIAL REVISION:

DRWN: JMELTON

APPR: SMILLER

2010/05/20

2010/07/14

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

SD-74059-002

PSD

001

P1

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SEE TABLE

GENERAL MARKET

2 OF 3

12

11

10

9

8

7

6

5

4

3

2

1

12

11

10

9

8

7

6

5

4

3

2

1

DATE	REV	DESCRIPTION
2022/06/24	P	DRAWING MIGRATION DRAWING HAS BEEN UPDATED
2025/11/17	P1	REMOVED OBSOLETE PART NUMBERS: 74059-*5*1 74059-*0*7 74059-*5*7 74059-*0*3 74059-*5*3 74059-*1*7 74059-*1*3

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515988		molex VHDM 6 ROW SHIELD END BACKPLANE SALES DRAWING						
MM	1:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)											
	MM	INCH									
4 PLACES	±		±	STATUS: Production DRWN: Sampreet S Mirajkar 2025-11-17 CHK'D: Ganesh Rao B 2025-12-01 APPR: Gurunandan GA 2025-12-01		PRODUCT CUSTOMER DRAWING					
3 PLACES	±		±								
2 PLACES	±	0.100	±								
1 PLACE	±	0.25	±								
0 PLACES	±		±	INITIAL REVISION: DRWN: JMELTON 2010/05/20 APPR: SMILLER 2010/07/14		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
ANGULAR TOL		±	0.5°			SD-74059-002		PSD	001	P1	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
					C-SIZE	74059	SEE TABLE		GENERAL MARKET		3 OF 3