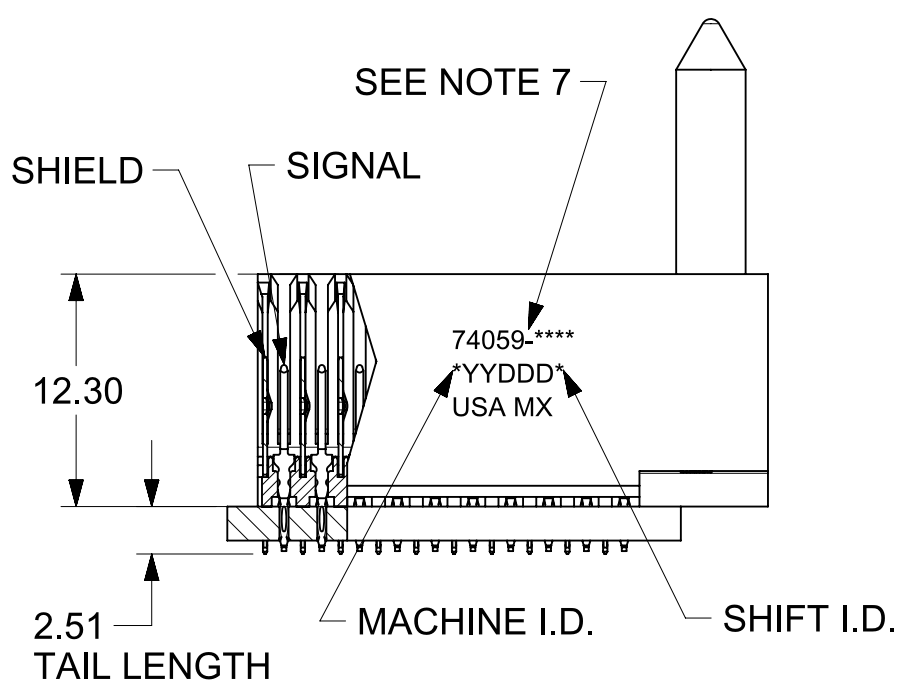
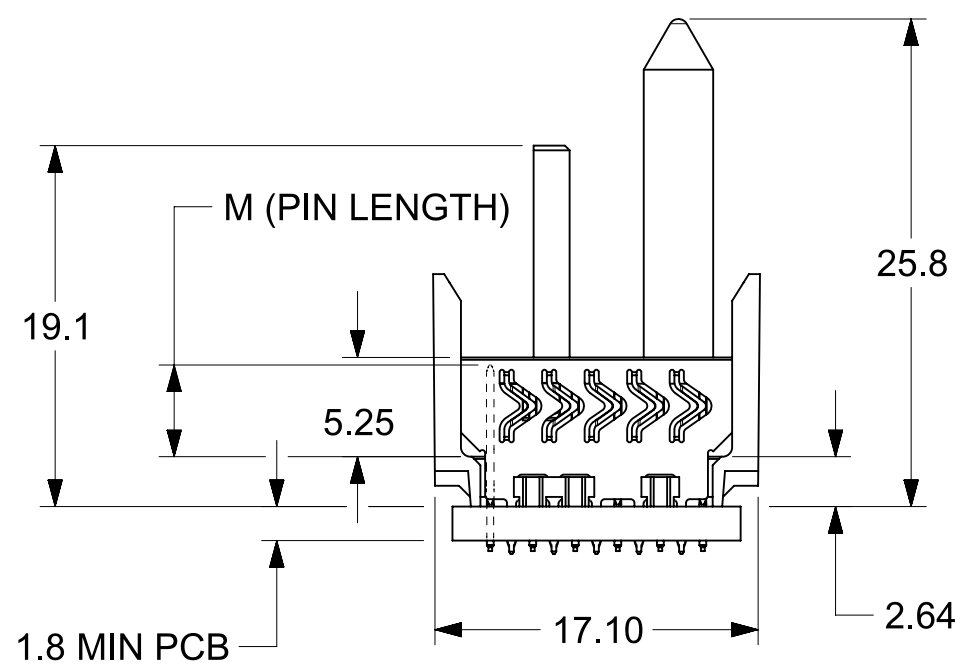
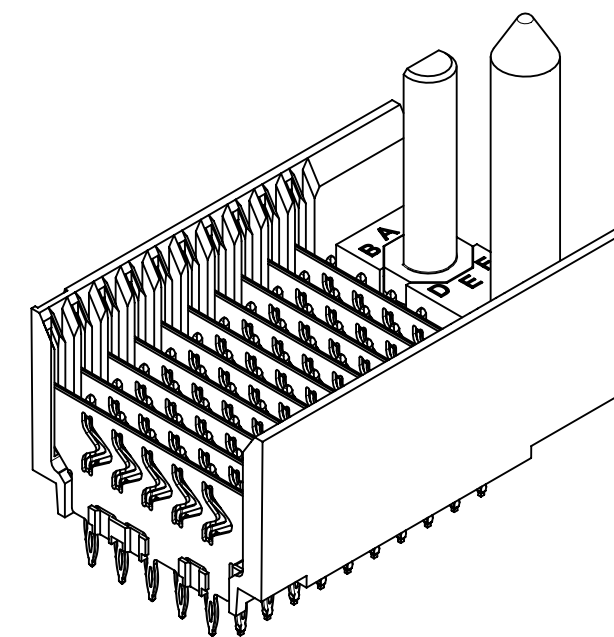
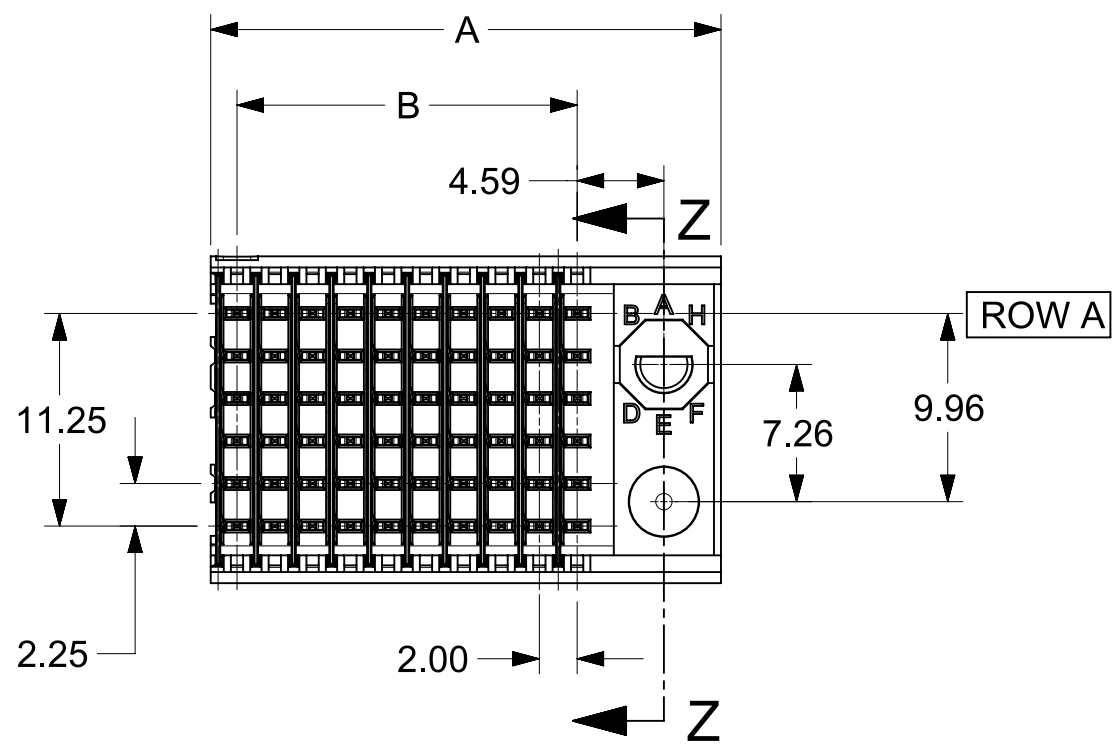
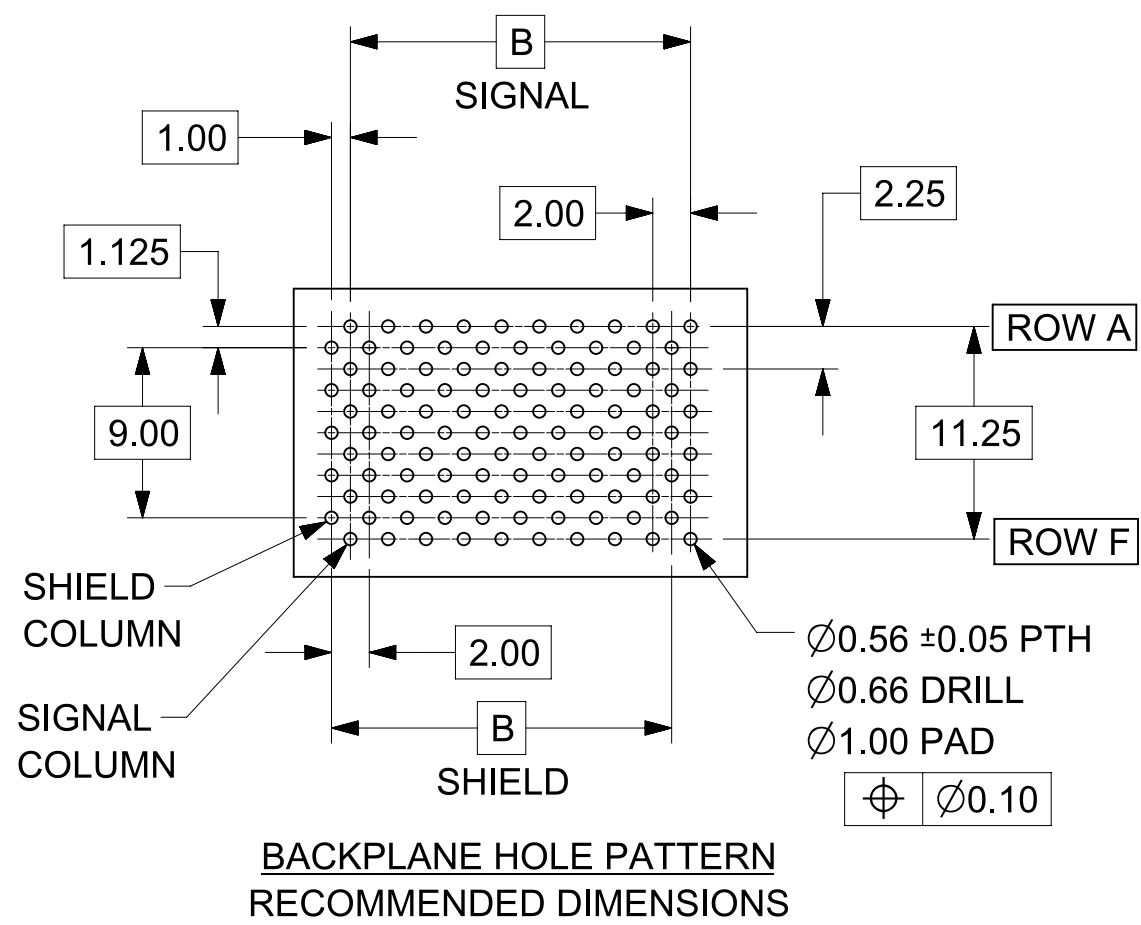


12 11 10 9 8 7 6 5 4 3 2 1



- 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	±	±		STATUS: Production		2025-11-17						
3 PLACES	±	±		DRWN: Sampreet S Mirajkar								
2 PLACES	±	0.100	±	CHK'D: Ganesh Rao B								
1 PLACE	±	0.25	±	APPR: Gurunandan GA		2025-12-01						
0 PLACES	±	±		INITIAL REVISION:				PRODUCT CUSTOMER DRAWING				
ANGULAR TOL ± 0.5°				DRWN: JMELTON				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
				APPR: SMILLER				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

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

SHIELD

SIGNAL

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

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

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

74059

DOCUMENT NUMBER

SD-74059-002

DOC TYPE

PSD

DOC PART

001

REVISION

P1

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 3

molex

VHDM 6 ROW SHIELD END BACKPLANE SALES DRAWING

PRODUCT CUSTOMER DRAWING

12

11

10

9

8

7

6

5

4

3

2

1

FORMAT: EngAppToRepDoc

REVISION: 0

DATE: 10/27/02

