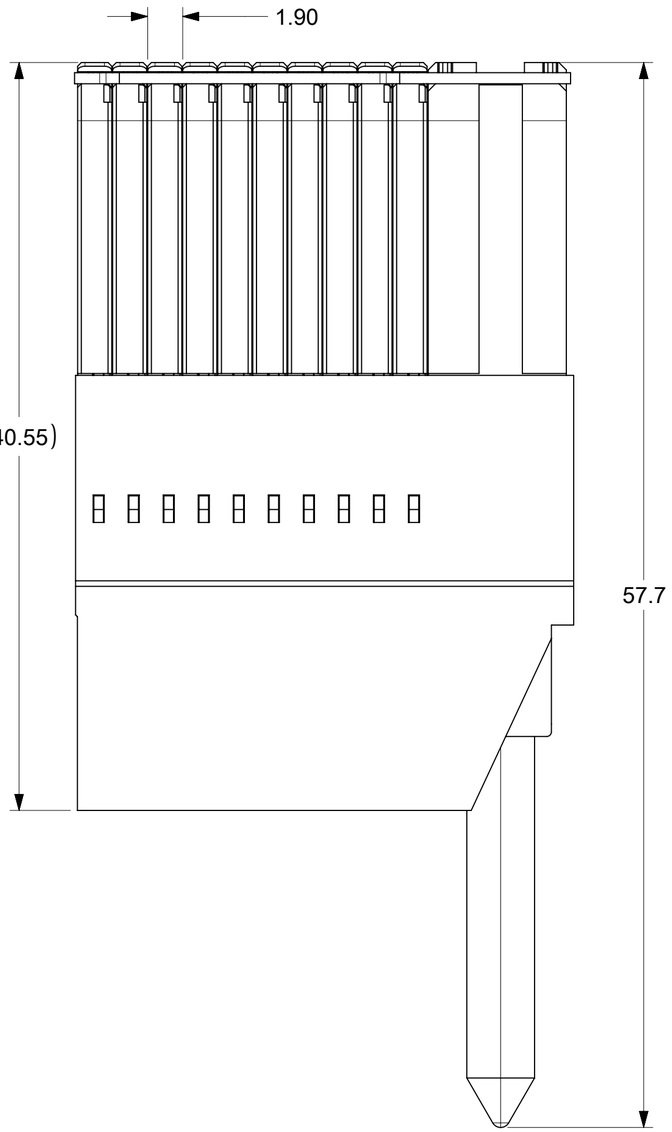
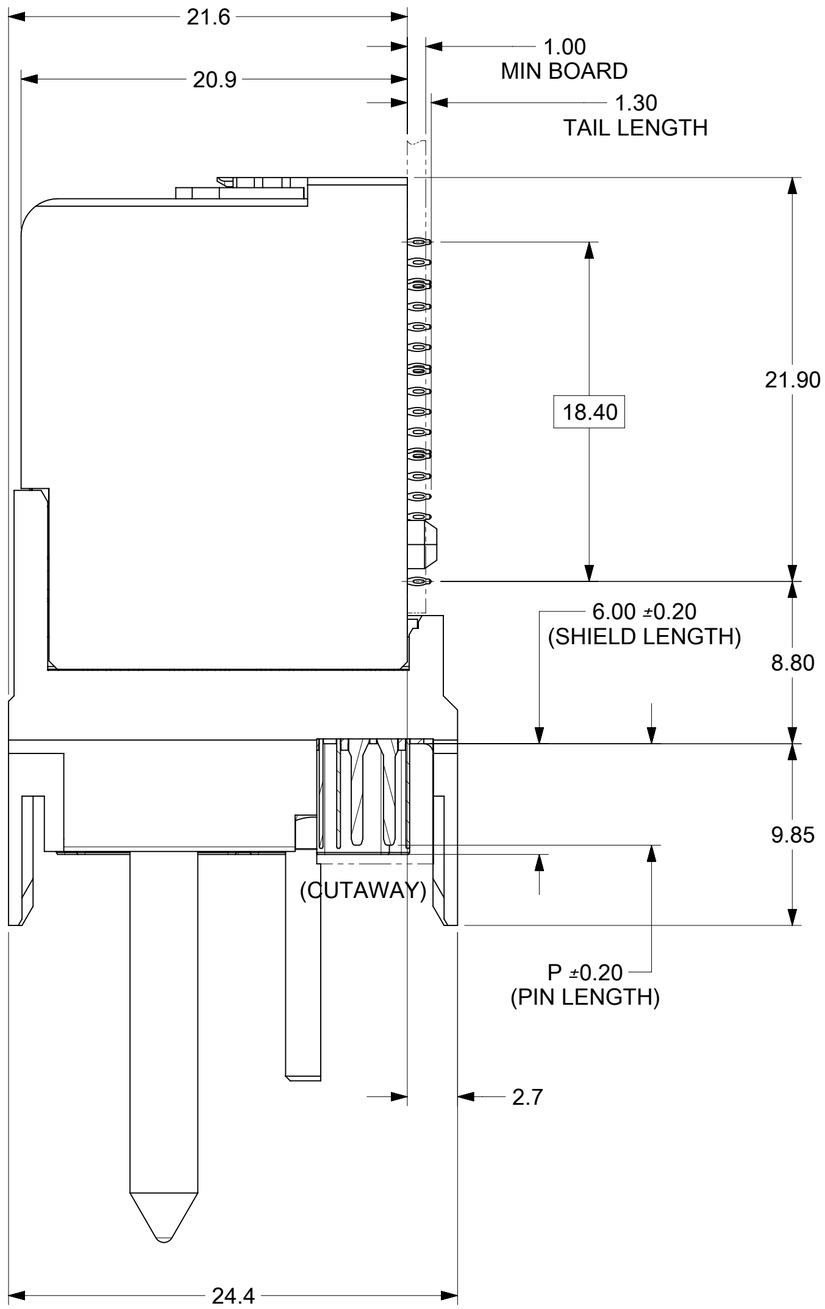
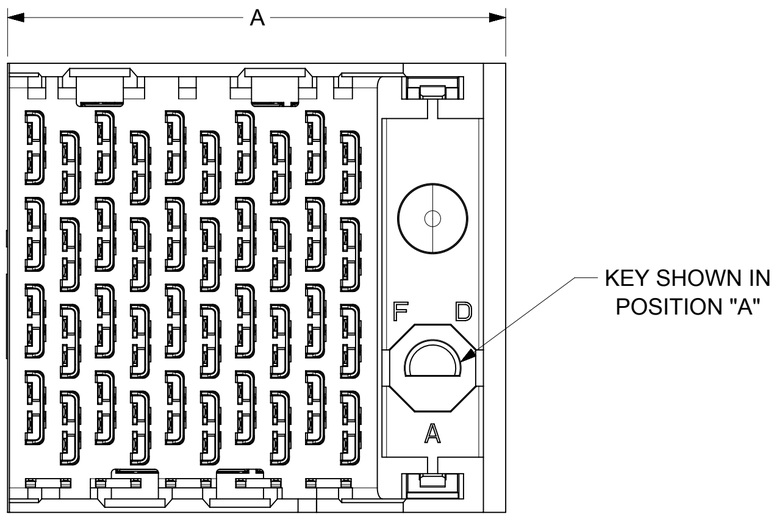
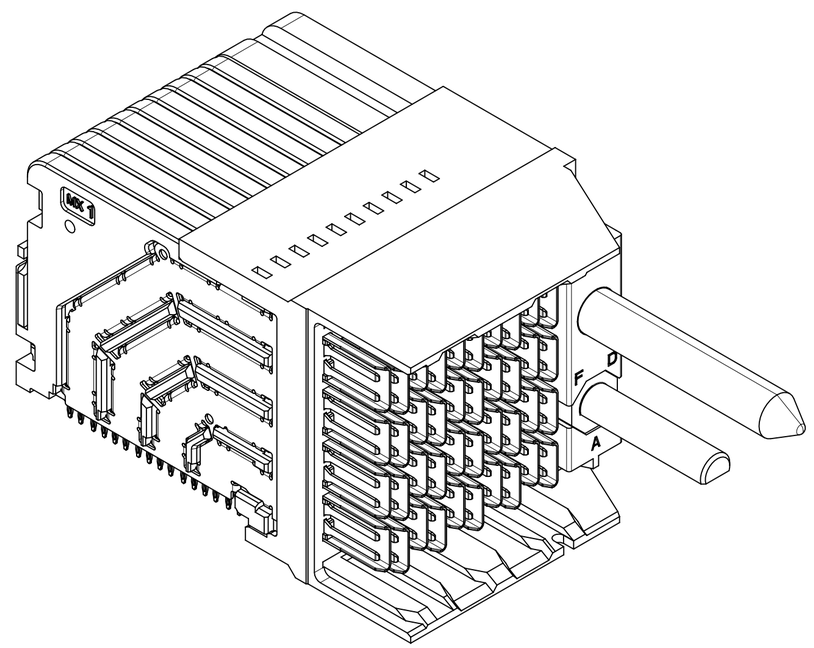




NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL94V-0
   TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30uIN GOLD IN CONTACT AREA.
   SELECTIVE TIN ON PCB TAILS.
   NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-171320-999 FOR PERFORMANCE SPECIFICATIONS.
4. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.
5. PRODUCT WILL BE PACKAGED PER PK-78888-314.
6. SEE SHEET 2 FOR PCB LAYOUT AND MATING BOARD RELATIONSHIP.
7. MATES WITH IMPEL DAUGHTERCARD SERIES NUMBER 171320 (LEFT GUIDED).
8. REFER TO IMPEL PCB ROUTING GUIDE AS-171320-990 FOR ANTIPAD, ROUTING RECOMMENDATIONS, AND ADDITIONAL PCB INFORMATION.
9. WHEN STACKING MODULES END TO END, THE MINIMUM COLUMN TO COLUMN HOLE SPACING IS 2.65mm.
10. CONNECTOR IS SUPPLIED WITH ONE 2-32 THREAD FORMING SCREW. REFER TO SHEET 2 FOR SCREW P/N.
11. COMPONENT PLACEMENT AND TRACE KEEP OUT ZONE; DO NOT PLACE ANY OTHER COMPONENT OR ROUTE ANY TOP LAYER TRACES IN THIS AREA.



KEY SHOWN IN POSITION "A"



THIS DESIGN IS BASED ON DESIGN OBJECTIVES AND IS STRICTLY TENTATIVE. IT MAY CHANGE BASED ON RESULTS OF ADDITIONAL DESIGN REVIEWS & VERIFICATIONS.

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DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	0.5 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADD 73726-0000 LONGER SCREW OPTION

EC NO: 642858

DRWN:	YLLIM	2020/07/15
CHK'D:	MMALLIGEVALU	2020/08/05
APPR:	DWLEE01	2020/08/16

INITIAL REVISION:

DRWN:	JLAURX	2014/02/07
APPR:	JLAURX	2014/02/07

molex

IMPEL 4 PAIR
RIGHT ANGLE MALE (RAM) GUIDE RIGHT SALES DWG

PRODUCT CUSTOMER DRAWING

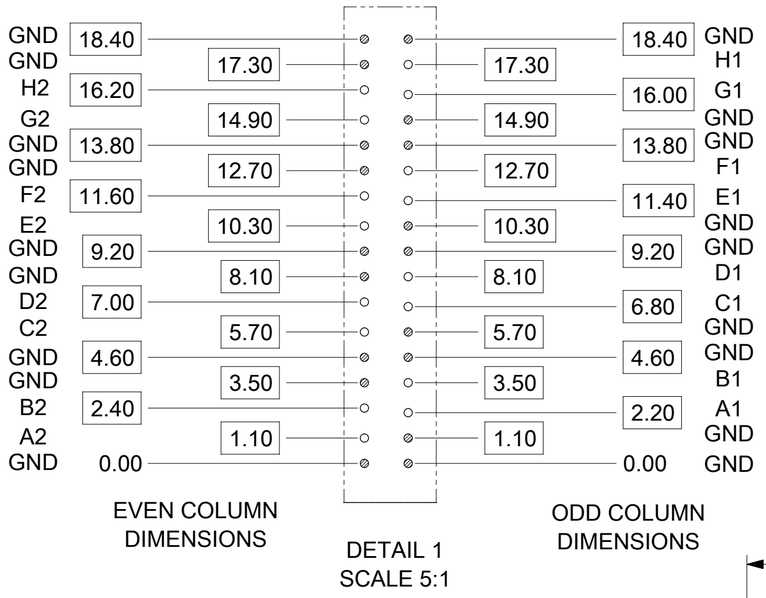
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-172140-0002	PSD	001	A3

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	172140	SEE TABLE	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2020/08/16 00:10:20

FORMAT: master-tb-prod-C
REVISION: J
DATE: 2020/01/14

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "P"	SUPPLIED SCREW P/N
172140-38*7	8	32	23.55 MAX	13.30	4.90	73726-0005
172140-31*7	10	40	27.35 MAX	17.10	4.90	
172140-32*7	12	48	31.15 MAX	20.90	4.90	
172140-36*7	16	64	38.75 MAX	28.50	4.90	
172140-38*8	8	32	23.55 MAX	13.30	5.50	
172140-31*8	10	40	27.35 MAX	17.10	5.50	
172140-32*8	12	48	31.15 MAX	20.90	5.50	
172140-36*8	16	64	38.75 MAX	28.50	5.50	
172140-38*1	8	32	23.55 MAX	13.30	4.90	73726-0000
172140-31*1	10	40	27.35 MAX	17.10	4.90	
172140-32*1	12	48	31.15 MAX	20.90	4.90	
172140-36*1	16	64	38.75 MAX	28.50	4.90	
172140-38*2	8	32	23.55 MAX	13.30	5.50	
172140-31*2	10	40	27.35 MAX	17.10	5.50	
172140-32*2	12	48	31.15 MAX	20.90	5.50	
172140-36*2	16	64	38.75 MAX	28.50	5.50	



DETAIL 1
SCALE 5:1

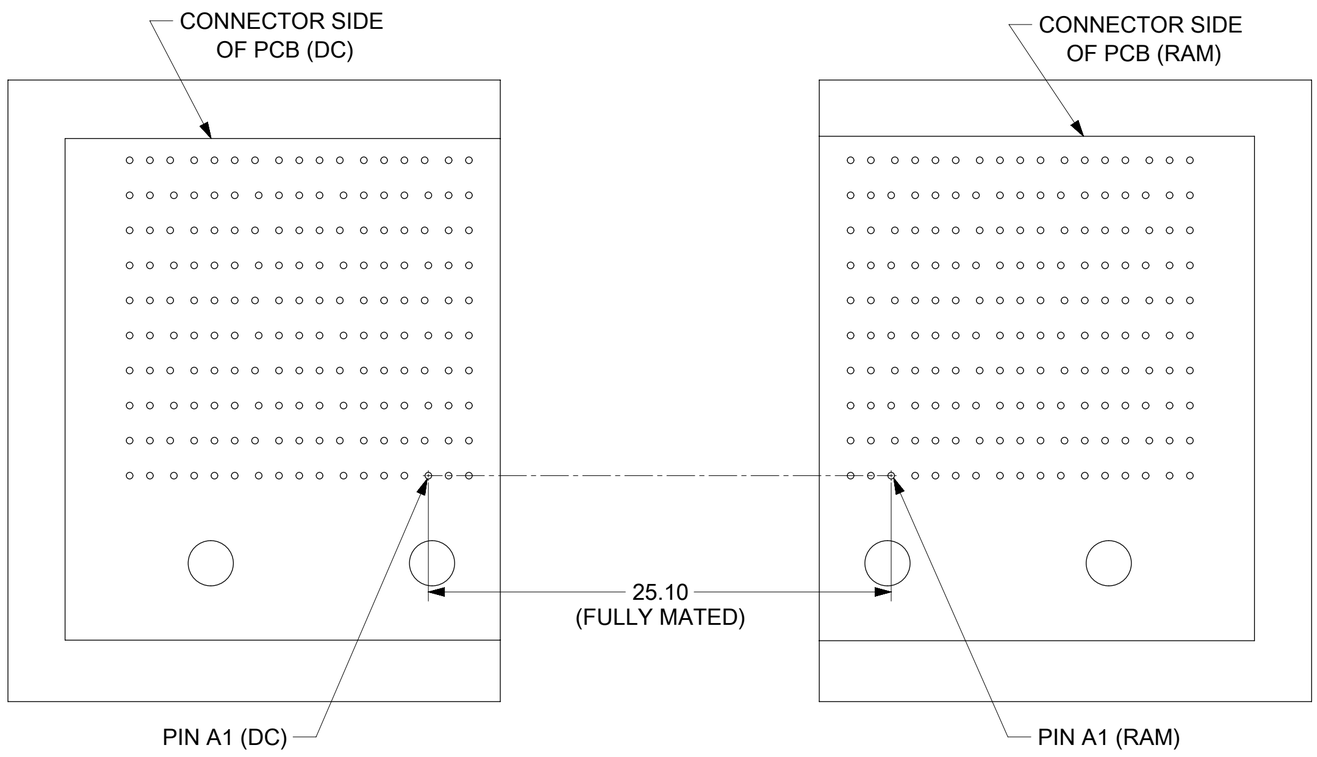
172140-3***

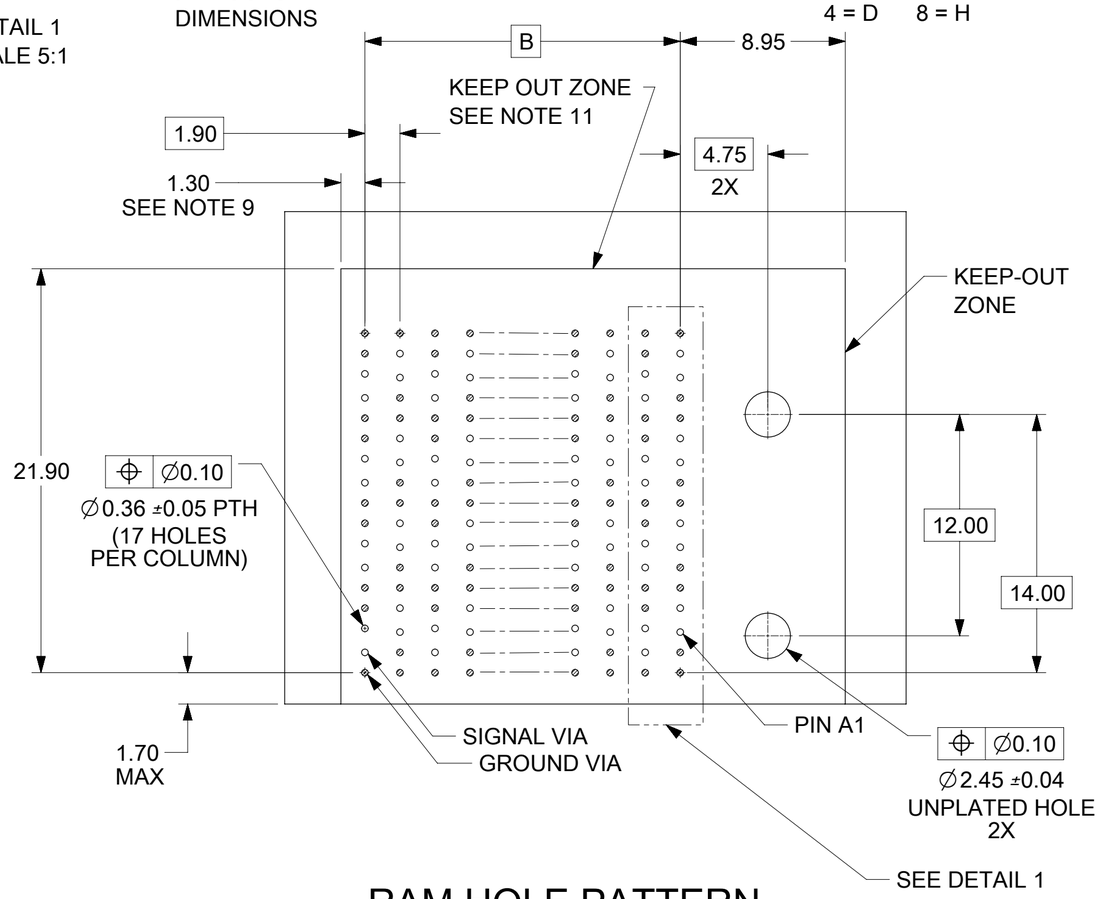
MODULE TYPE
3 = GUIDE RIGHT

COLUMN SIZE
8 = 8 COLUMN
1 = 10 COLUMN
2 = 12 COLUMN
6 = 16 COLUMN

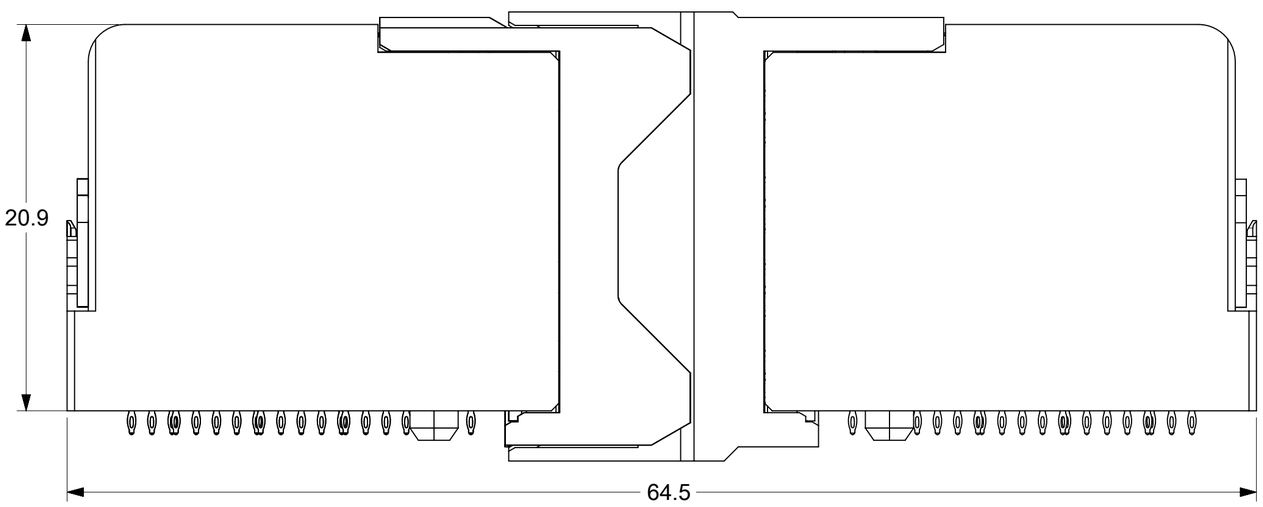
PIN LENGTH (P), (SCREW TYPE)
1 = 4.90mm (73726-0000)
2 = 5.50mm (73726-0000)
7 = 4.90mm (73726-0005)
8 = 5.50mm (73726-0005)

KEY ORIENTATION
0 = NO KEY
1 = A 5 = E
2 = B 6 = F
3 = C 7 = G
4 = D 8 = H





RAM HOLE PATTERN (CONNECTOR SIDE)



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DIMENSION UNITS	mm
SCALE	NTS
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 0.5 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: ADD 73726-0000 LONGER SCREW OPTION

EC NO: 642858

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molex

IMPEL 4 PAIR
RIGHT ANGLE MALE (RAM) GUIDE RIGHT SALES DWG

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-172140-0002	PSD	001	A3

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	172140	SEE TABLE	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2020/08/16 00:10:20

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REVISION: J
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