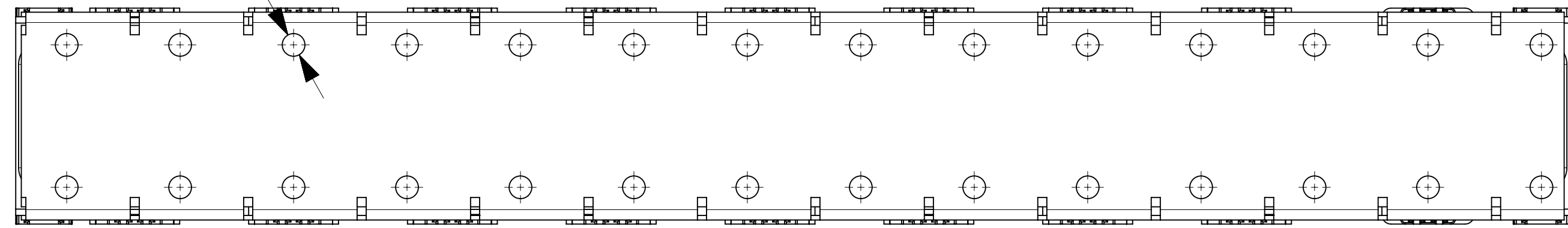
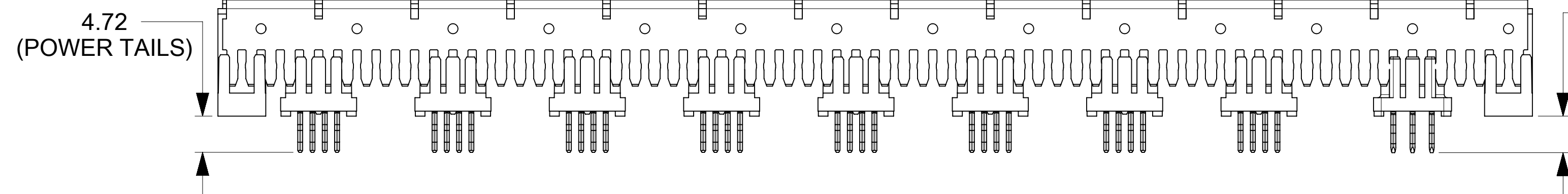


AFTER PRESS TO PCB
AND RAIL REMOVAL

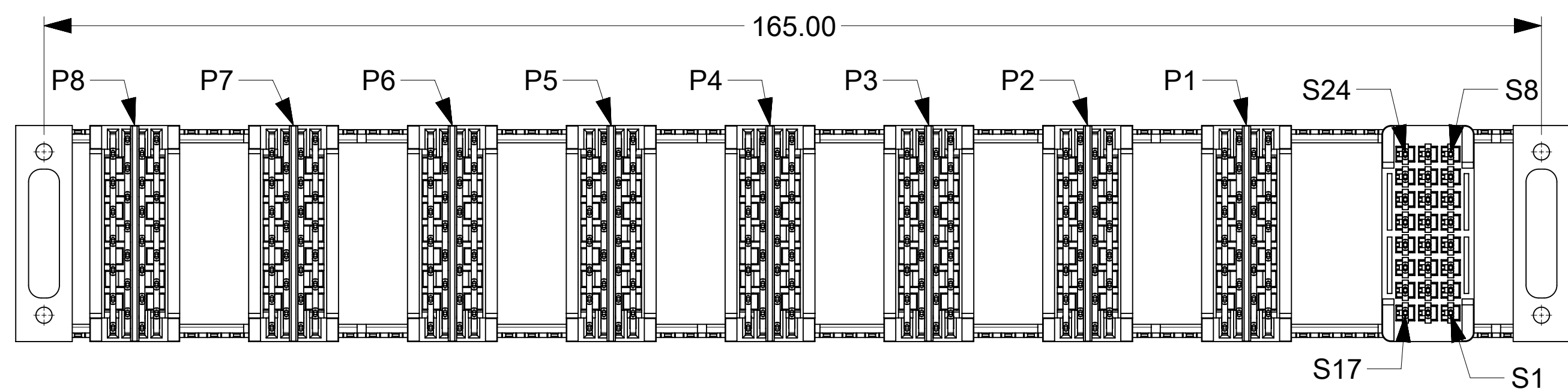
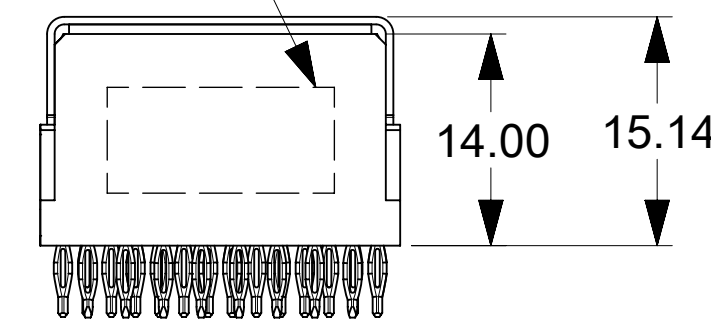
Ø2.50
PILOT HOLES FOR
MODULE MOUNTING RAIL
REMOVAL TOOL
SEE NOTE 8



BEFORE RAIL REMOVAL
(AS DELIVERED)



PART NUMBER
AND DATE CODE



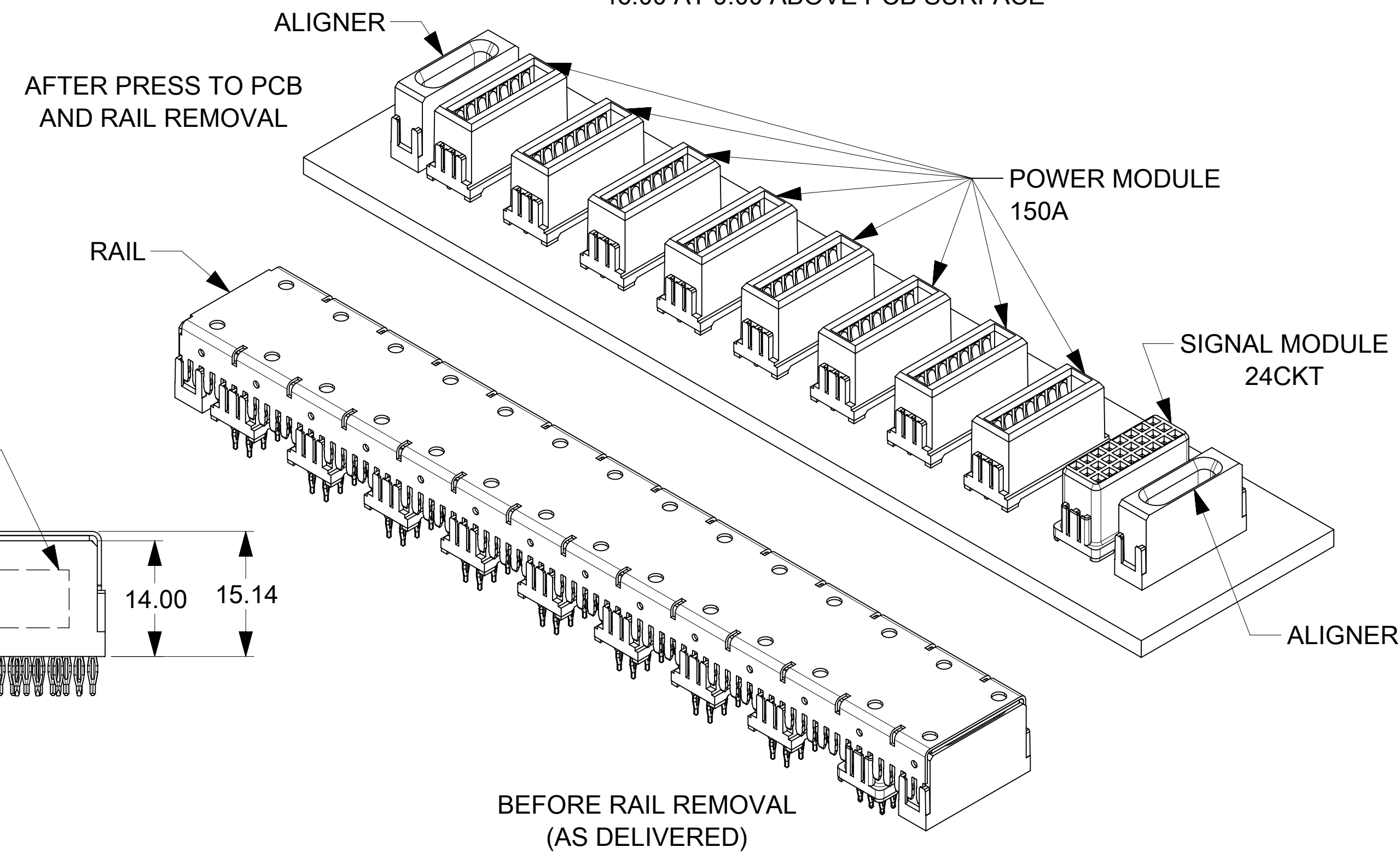
NOTES:

1. MATERIAL:

- HOUSINGS: HIGH TEMPERATURE PLASTIC (LCP OR EQUIVALENT)
- TERMINALS: HIGH CONDUCTIVITY COPPER ALLOY
- PLATING: 1.27µm NICKEL OVERALL WITH
2.54µm SELECTIVE TIN ON SOLDER TAILS AND
0.76µm SELECTIVE GOLD ON CONTACT AREA
- ALIGNERS: ZINC DIE CAST WITH CLEAR CHROMATE FINISH
- RAILS: STAINLESS STEEL
- LUBRICATION: EB-1 IN CONTACT AREA

2. MODULES ARE ASSEMBLED TO RAILS

- 3. PACKAGING: ASSEMBLIES TO BE TRAY PACKED PER PACKAGING SPEC PK-75541-100
- 4. INDIVIDUAL MODULES ARE RATED FOR VOLTAGE AND CURRENT RATINGS PER PS-75431-999
- 5. PC BOARD REQUIRES PRESS FIT HOLES, SEE PC BOARD LAYOUT IN SHT 2.
- 6. RECOMMENDED PC BOARD THICKNESS, 3.18mm MIN.
- 7. PRODUCT TO MEET RoHS REQUIREMENTS.
- 8. MODULE MOUNTING RAIL TO BE REMOVED AFTER PRESSING THE ASSEMBLY INTO THE PC BOARD WITH TOOL PER APPLICATION SPEC AS-75541-100
- 9. RECEPTACLE MATES TO MOLEX PLUG P/N 75555-1065.
- 10. PLATED THRU HOLE (PTH) DIMENSIONS: $\phi 1.09 \pm 0.05$ FINISHED PTH (TYP)
 $\phi 1.200 \pm 0.013$ DRILL
0.025MIN COPPER PLATE THICKNESS
- 11. ALIGNER MODULE SCREWS DELIVERED WITH CONNECTOR ASSEMBLY (4 PER ASSY)
#2-56UNC-2A, ZINC PLATED STEEL, 9.5 LONG, 4.2 DIA PAN HEAD TORX DRIVE.
(MOLEX P/N 73774-4005). RECOMMENDED TORQUE: 0.20 N-m.
- 12. THE SCREW LENGTH AND P/N IS RECOMMENDED BASED ON 3.18mm PCB THICKNESS
CONTACT MOLEX FOR SCREW LENGTH AND P/N FOR PCB THICKNESS GREATER THAN 3.18mm.
- 13. MINIMUM KEEP OUT ZONE DIMENSION 'A': 25.00 ON PCB SURFACE
26.00 AT 3.50 ABOVE PCB SURFACE
46.00 AT 9.00 ABOVE PCB SURFACE



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: PRODUCT RELEASE	
mm	NTS		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
ANGULAR TOL	± 0.5°		
4 PLACES	±	EC NO: 672363	2021/07/27
3 PLACES	±	DRWN: KSUTAR	2021/08/04
2 PLACES	± 0.25	CHK'D: SCS02	2021/08/09
1 PLACE	± 0.38	APPR: HTHYAGARAJ	
0 PLACES	±	INITIAL REVISION:	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: KSUTAR	2021/07/27
		APPR: HTHYAGARAJ	2021/08/09
THIRD ANGLE PROJECTION		DRAWING	SERIES
		D-SIZE	75541
		MATERIAL NUMBER	CUSTOMER
		755411065	GENERAL MARKET
DOCUMENT NUMBER		DOC TYPE	DOC PART
755411065		PSD	000
REVISION		SHEET NUMBER	
A		1 OF 2	

RECEPTACLE ASSEMBLY
P/N: 75541-1065

BACKPLANE

HEADER ASSEMBLY
P/N: 75555-1065

DAUGHTERCARD

DAUGHTERCARD

BACKPLANE

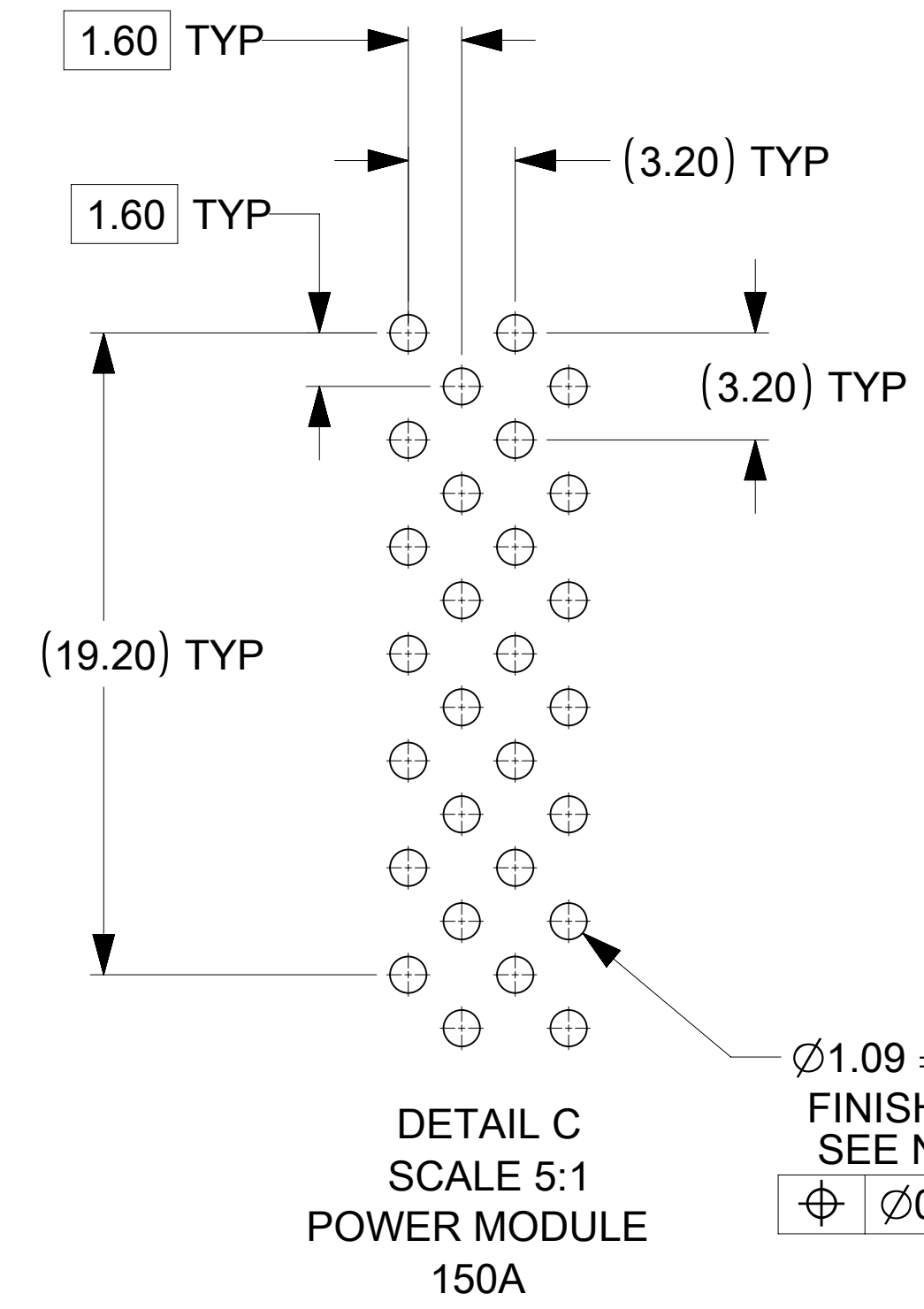
(1.60)

SECTION A-A

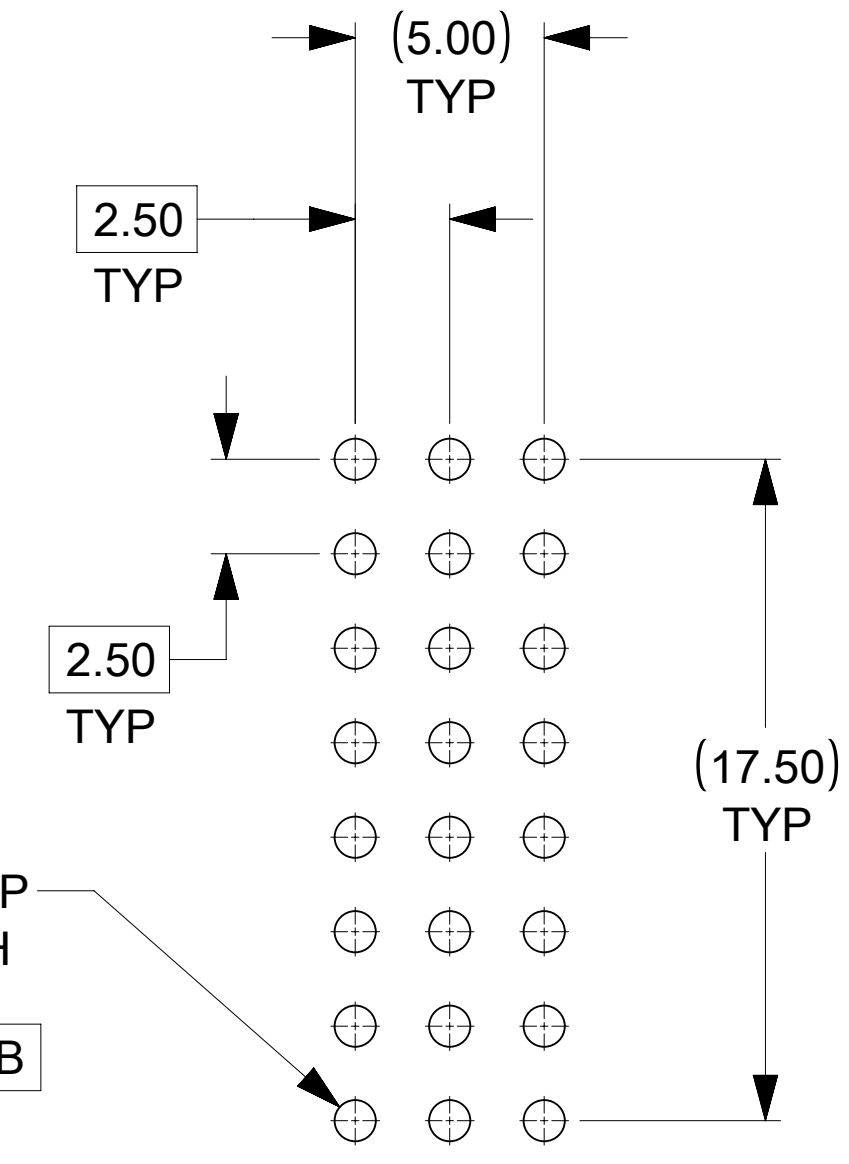
1.55
C OF HOLE TO
TOP OF DAUGHTERCARD

17.05
(AT NOMINAL MATING DEPTH)
16.45
(AT MAX MATING DEPTH)

C OF FIRST ROW OF
POWER PINS

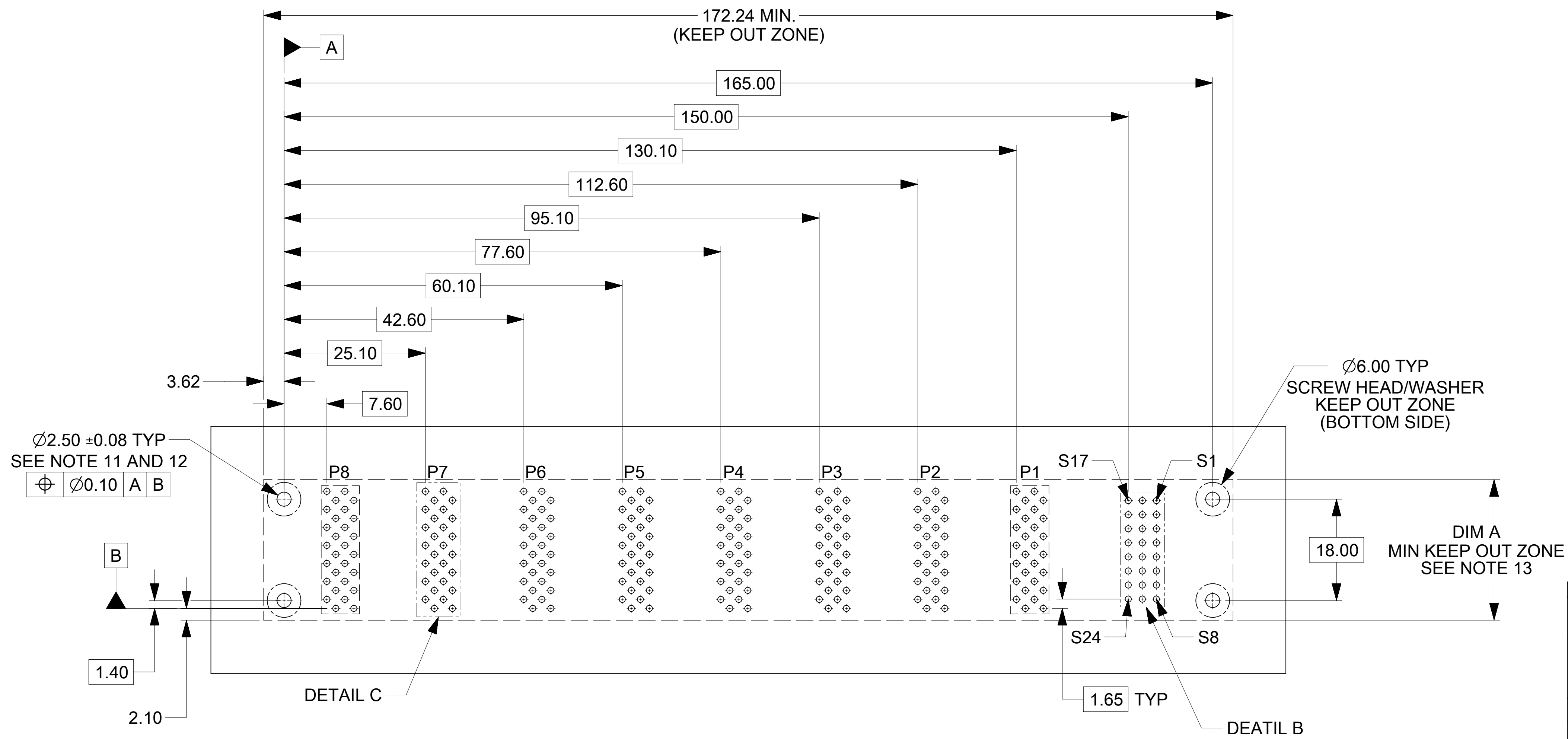


DETAIL C
SCALE 5:1
POWER MODULE
150A
Ø1.09 ±0.05 TYP
FINISHED PTH
SEE NOTE 10
⊕ Ø0.05 A B



Ø1.09 ±0.05 TYP
FINISHED PTH
SEE NOTE 10
⊕ Ø0.05 A B

DETAIL B
SCALE 5:1
SIGNAL MODULE
24 PINS



Ø6.00 TYP
SCREW HEAD/WASHER
KEEP OUT ZONE
(BOTTOM SIDE)

DIM A
MIN KEEP OUT ZONE
SEE NOTE 13

RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE
GENERAL TOLERANCE: ±0.05

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: PRODUCT RELEASE	
mm	NTS		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
ANGULAR TOL	± 0.5°		
4 PLACES	±	EC NO: 672363	2021/07/27
3 PLACES	±	DRWN: KSUTAR	2021/08/04
2 PLACES	± 0.25	APPR: HTHYAGARAJ	2021/08/09
1 PLACE	± 0.38	INITIAL REVISION:	
0 PLACES	±	DRWN: KSUTAR	2021/07/27
		APPR: HTHYAGARAJ	2021/08/09
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES
		D-SIZE	75541
		MATERIAL NUMBER	CUSTOMER
		755411065	GENERAL MARKET
		SHEET NUMBER	
		2 OF 2	

molex

ASSEMBLY, VERT RECEP, PRESS-FIT
1X24S, 8X150A EXTREME POWERMASS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
755411065	PSD	000	A