

10164279-124XXXLF

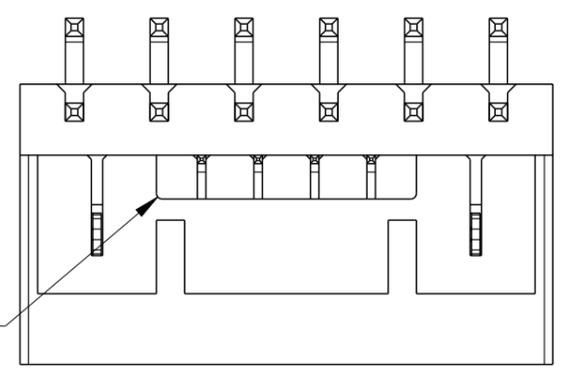
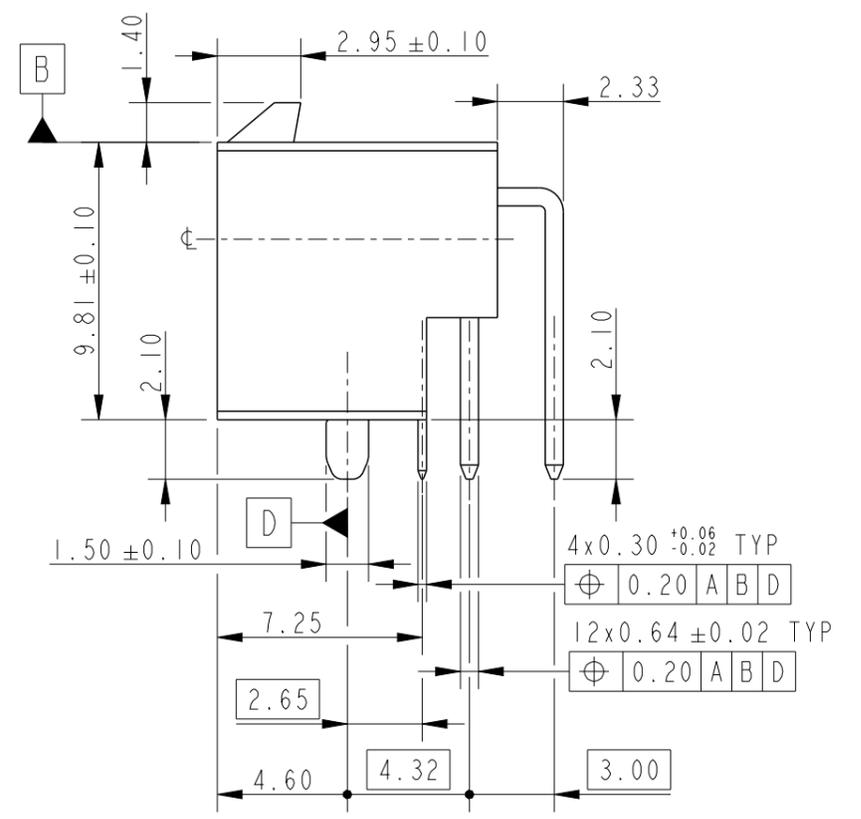
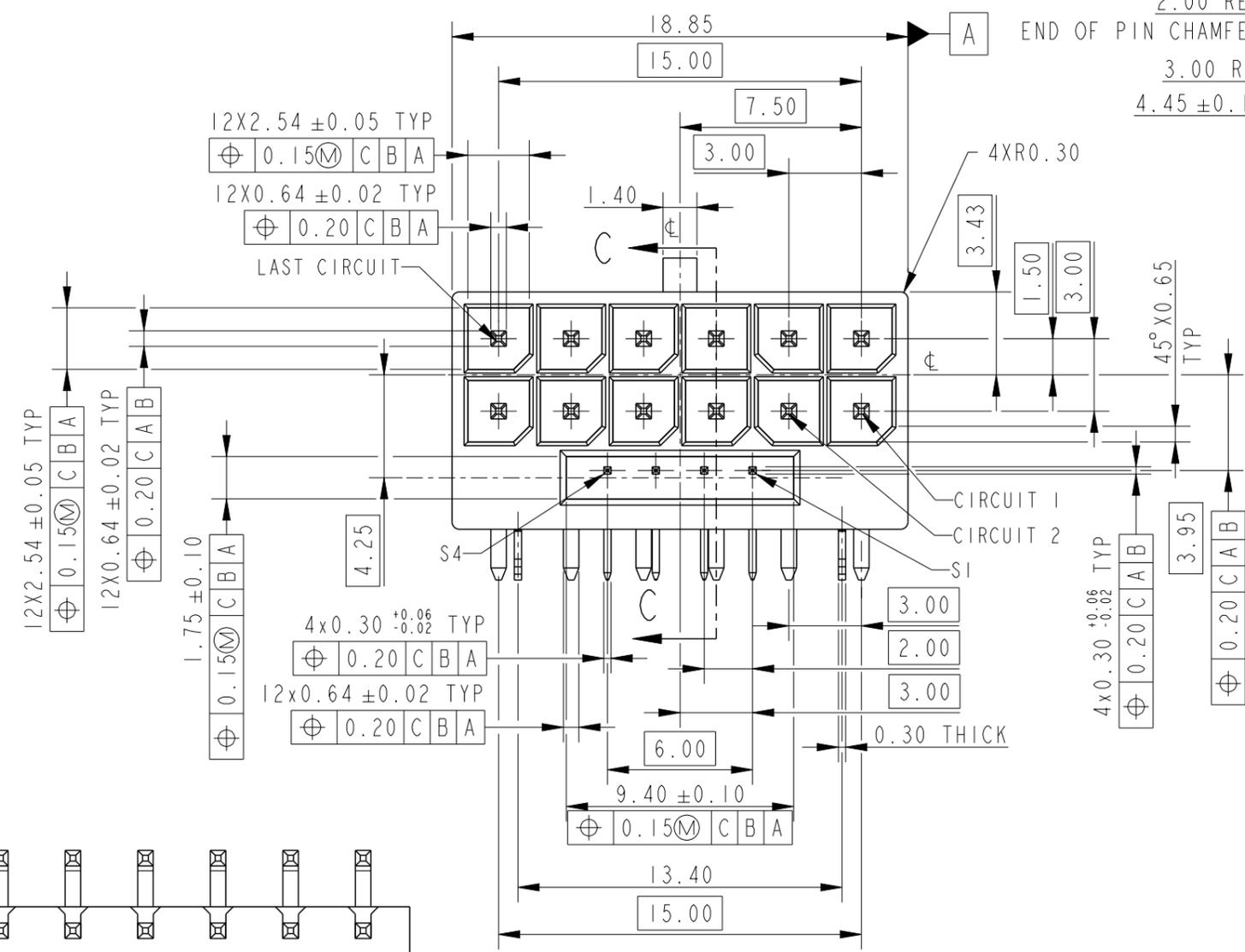
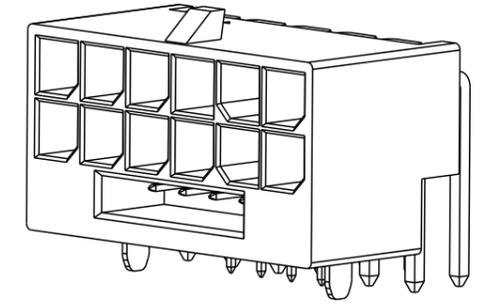
MARK "H++" STAND FOR HIGH CURRENT DEPRESSION OF 0.1MM MAX

END OF PIN CHAMFER

TARGET CONTACT POINT

END OF PIN CHAMFER

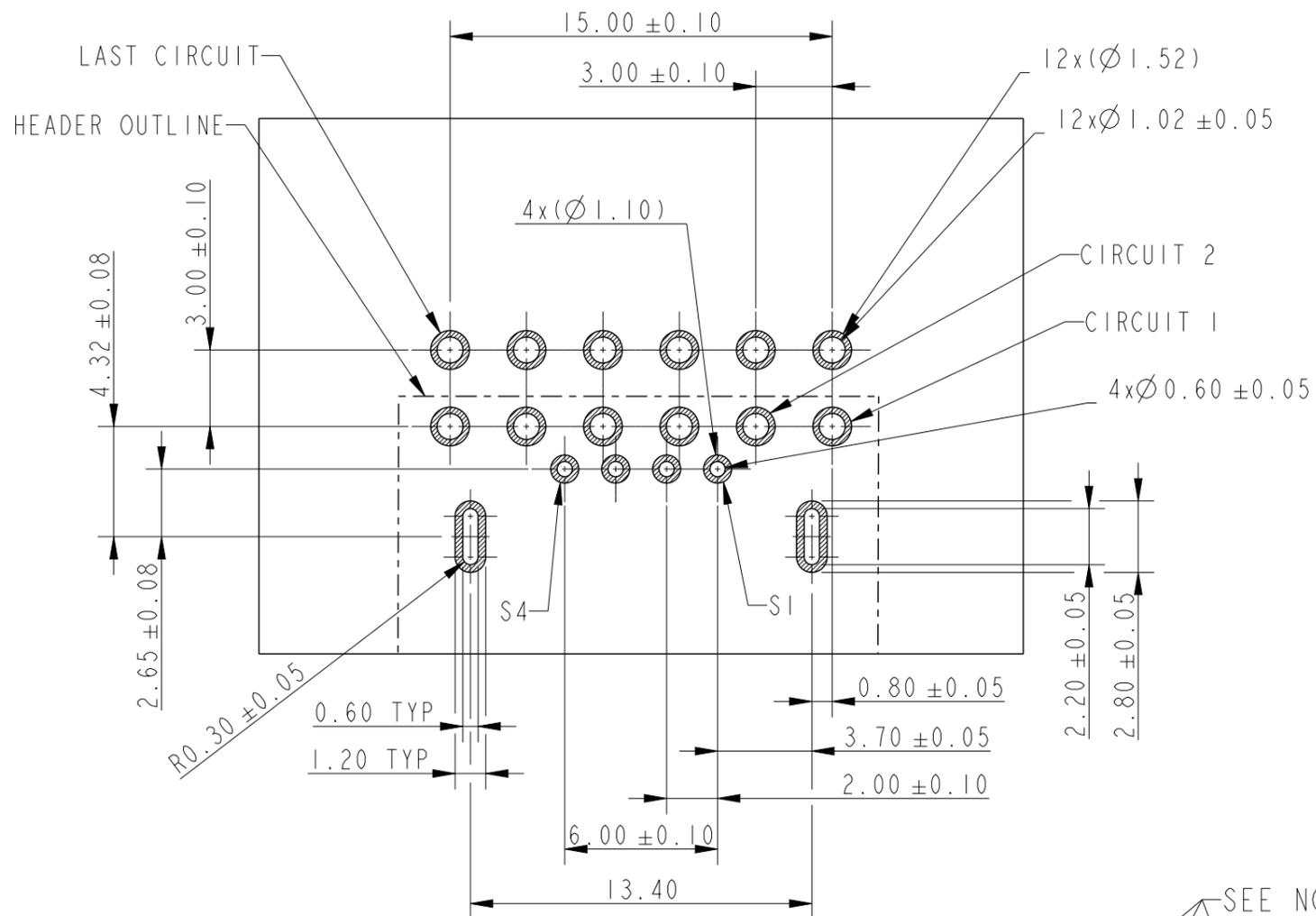
SECTION C-C



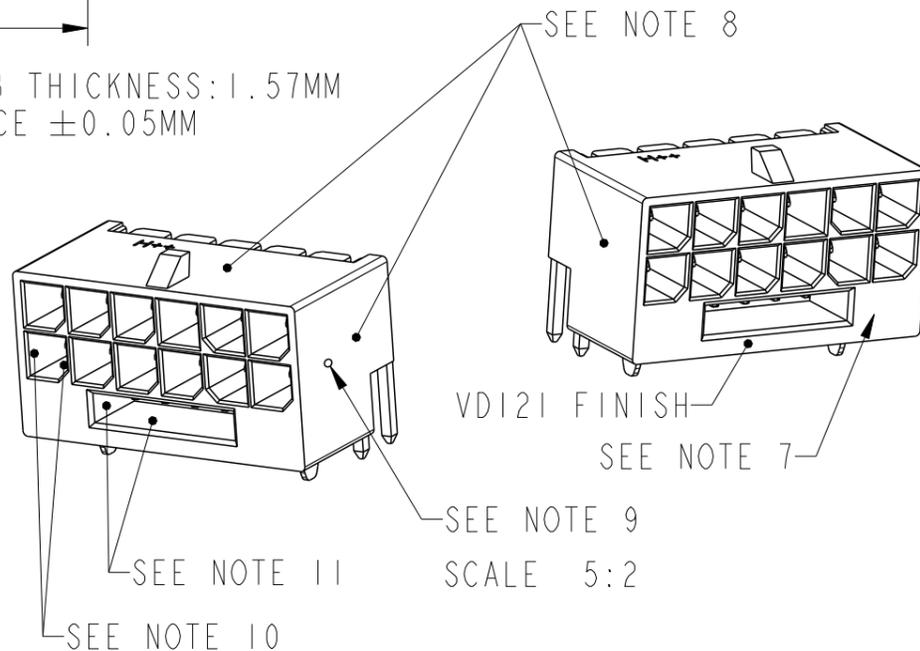
spec ref	dr	Vipin M-G	2024/02/29	projection	MM	size	A3	scale	4:1
tolerance std	eng	Vipin M-G	2024/03/28			ecn no	rel level	Released	rev
ISO 406 ISO 1101	chr	-	-						
surface	appr	Paul Mithun	2024/03/28	product family	MINITEK POWER	10164279		A	
	linear	0.X	±0.25	cat. no.	-	Product - Customer Drw	sheet 1 of 2		
ISO 1302	angular	0°	±2°	Amphenol FCI		HYBRID R/A HEADER WITH METAL HOLD DOWN MINITEK POWER CEM-5 12V-2x6			

Amphenol FCI

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RECOMMENDED PCB LAYOUT, PCB THICKNESS: 1.57MM
UNSPECIFIED TOLERANCE ± 0.05MM



PIN ASSIGNMENT

PIN SIGNAL	PIN NO.
PWR PIN	1-6
GND PIN	7-12
S1	CARD_PWR_STABLE
S2	CARD_CBL_PRES#
S3	SENSE0
S4	DO NOT USE

- MATERIAL:
HOUSING: HIGH TEMP. THERMOPLASTIC, GENESTAR(UL E90350), HALOGEN FREE, UL94V-0, COLOUR: DARK BLACK
CONTACT: COPPER ALLOY.
METAL HOLD DOWN: COPPER ALLOY.
- CONTACT FINISH: OPTIONAL PLATING ON CONTACT AREA, SEE PART NUMBER LOGIC
100µ" MINIMUM MATTE TIN ON SOLDER AREA
50µ" MINIMUM NICKEL UNDERPLATED.
METAL HOLD DOWN: 100µ" MATTE TIN OVERALL
50µ" MIN NICKEL UNDERPLATED.
- MATE WITH AICC RECEPTACLE: 10161719, 10168565 & 10171526
- PRODUCT SPECIFICATION: GS-12-1706
- PACKING SPECIFICATION: GS-14-2856
- APPLICATION SPECIFICATION: GS-20-0704
- NO EJECTOR PIN MARKING ON THE MATING FACE
- VD118 FINISH & 0° DRAFT ANGLE ON ALL THE 3 FACES
- GATE POINT WITH MAXIMUM PROJECTION OF 0.05MM
- DRAFT ANGLE OF 0.05° ON INNER SURFACES OF POWER PIN CAVITIES
- DRAFT ANGLE OF 0.10° ON INNER SURFACES OF SIDE BAND MATING AREA
- MAXIMUM PARTING LINE VARIATION TO BE WITHIN 0.1MM
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW OVEN.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004
- IN ACCORDANCE WITH PCIE SPECIFICATION REV 5, VER 1
- PART NUMBER LOGIC

10164279-XX X X X X LF

NO. OF POWER PIN LOADED
12-12 PIN

NO. OF SIGNAL PIN LOADED
4- 4PIN

TERMINATION:
1- 2.1MM

PLATING OPTION
1- 100µ" MATTE TIN OVERALL

PACKING OPTION
1-TAPE & REEL

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tolerance std	eng	Vipin M-G	2024/03/28			ecn no	rel level	Released	rev
ISO 406 ISO 1101	chr	-	-						
TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Paul Mithun	2024/03/28	product family	MINITEK POWER	10164279		A	
surface	linear	0.X	±0.25	HYBRID R/A HEADER WITH METAL HOLD DOWN		10164279		A	
		0.XX	±0.15	MINITEK POWER CEM-5 12V-2x6					
	angular	0°	±2°	amphenol-icc.com	cat. no.	-	Product - Customer Drw	sheet 2 of 2	