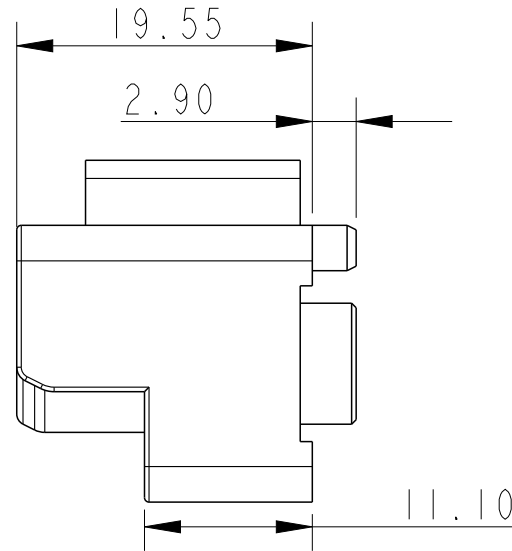
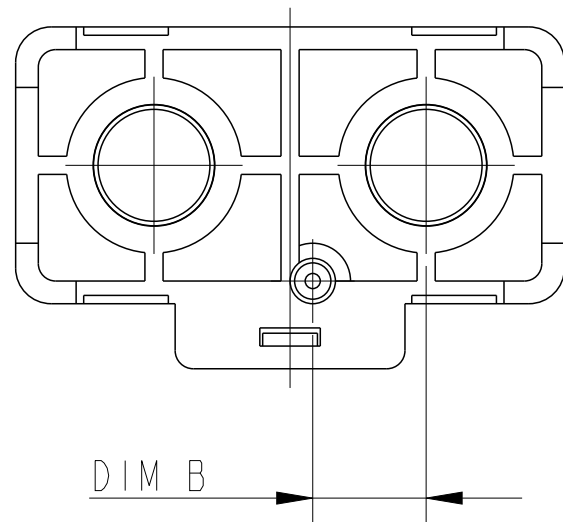
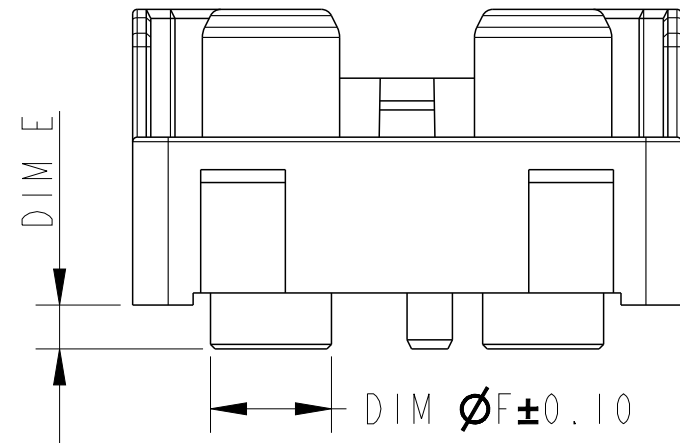
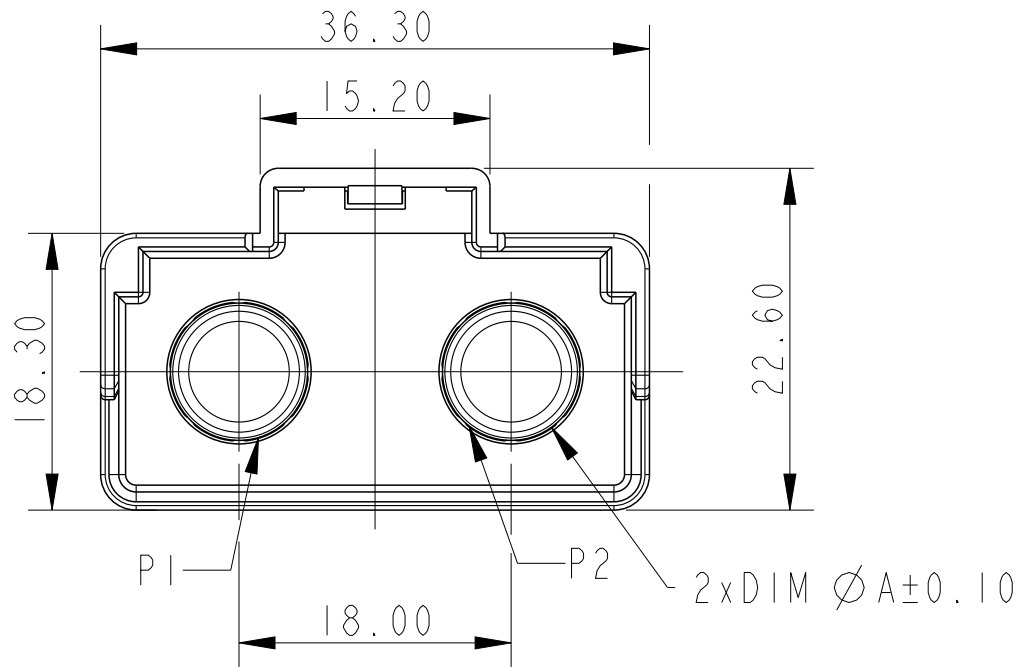


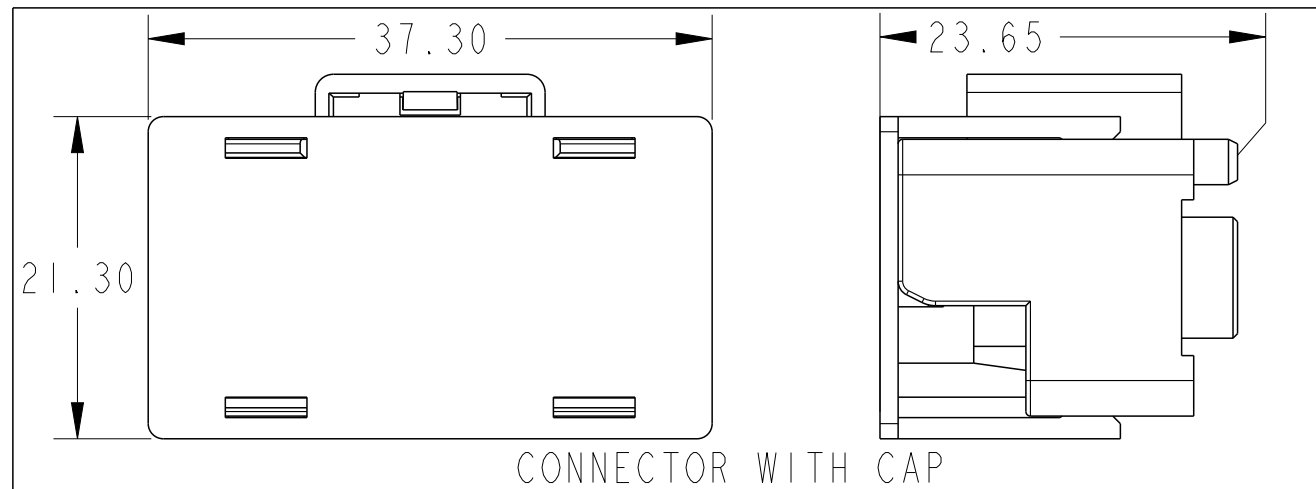
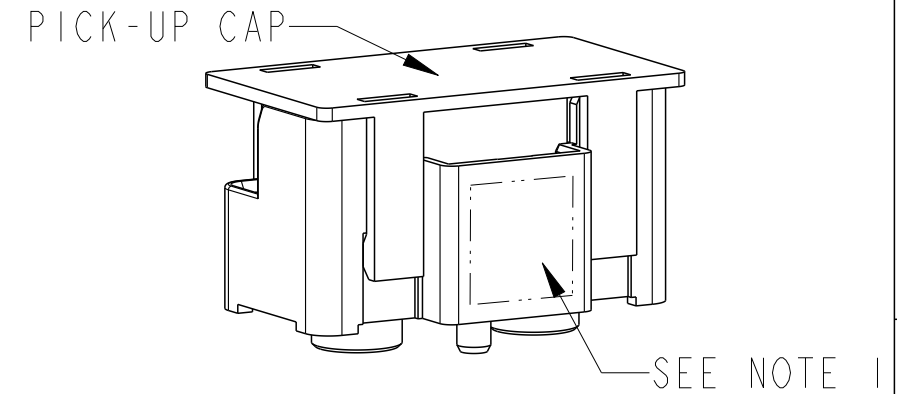
A

C

D



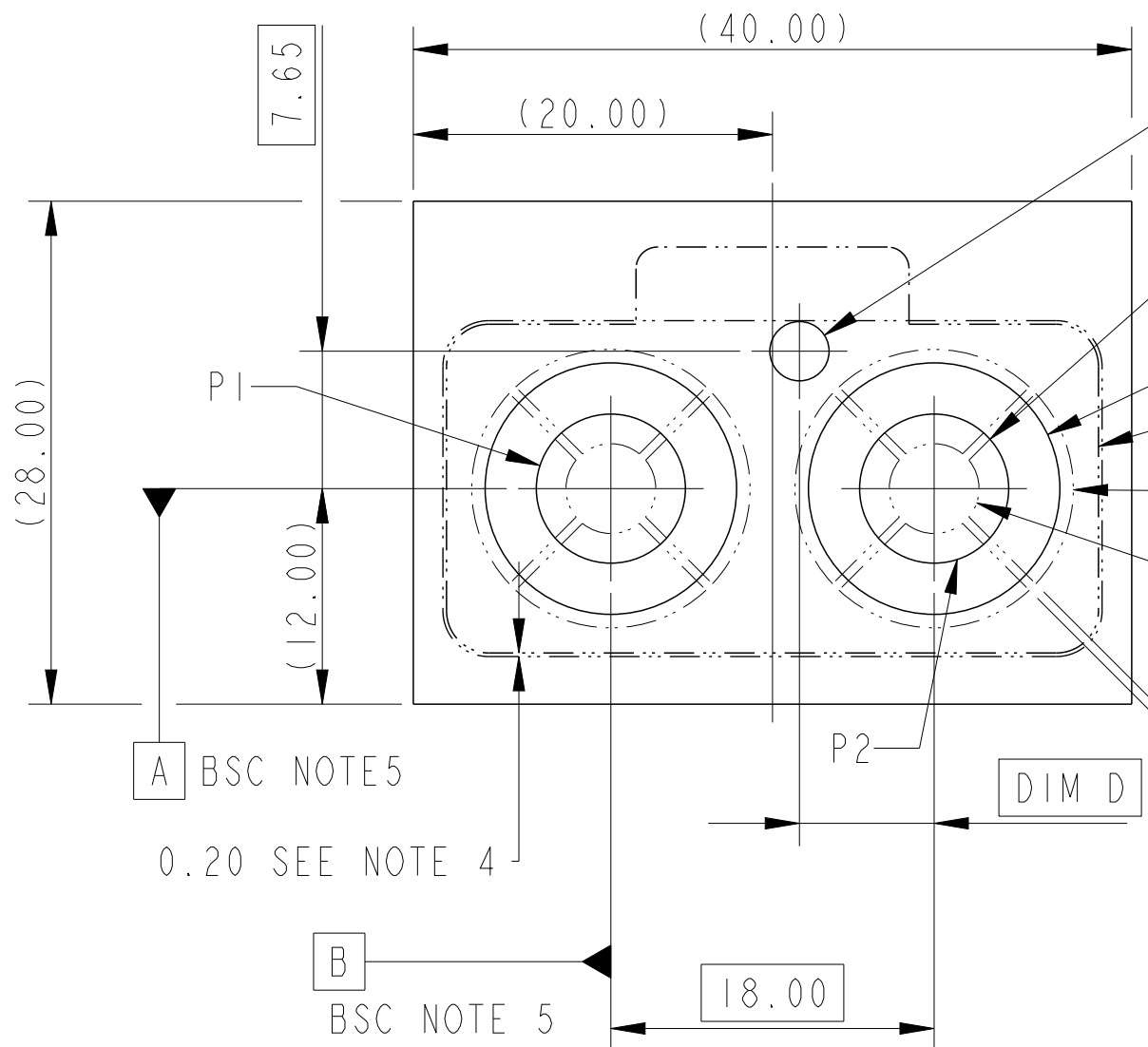
revision history				
rev	ecn no	description	dr	date
A	-	INITIAL RELEASE	Lu Chen	2026/03/05
-	-	-	-	YYYY/MM/DD
-	-	-	-	YYYY/MM/DD



SERIES	PART NUMBER	PACKAGING	SOLDERING	PICK UP CAP	DIM A	DIM B	DIM E	DIM F (Ø)
9.1MM 250A/PIN	*10174704-001LF	SOFT TRAY	DIP(WAVE SOLDERING)	NO	9.10	7.50	4.40	7.90
	10174704-001CLF	JEDEC SOFT TRAY	PIP(REFLOW SOLDERING)	YES			2.90	8.00
	10174704-001PLF	HARD TRAY	PIP(REFLOW SOLDERING)	NO			2.90	8.00
	10174704-001PCLF	HARD TRAY	PIP(REFLOW SOLDERING)	YES			2.90	8.00
8.0MM 200A/PIN	*10174704-002LF	SOFT TRAY	DIP(WAVE SOLDERING)	NO	8.00	10.50	4.40	6.90
	*10174704-002CLF	JEDEC SOFT TRAY	PIP(REFLOW SOLDERING)	YES			2.90	7.00
	10174704-002PLF	HARD TRAY	PIP(REFLOW SOLDERING)	NO			2.90	7.00
	10174704-002PCLF	HARD TRAY	PIP(REFLOW SOLDERING)	YES			2.90	7.00

* =NOT TOOLED

spec ref -				dr Ethan Chen		2024/05/23		Amphenol Power Solutions			MM		scale 2.000		size A3		
tolerance std				eng Dong, Qing-Fen		2026/03/06					ecn no ELX-DG-280526-1						
ISO 406 ISO 1101				rvwr -		-					rel lev PDF Released						
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr Andy Lu		2026/03/10		A Division of Amphenol Corporation			amphenol-icc.com						
surface		- ISO 1302	linear		0.X ±0.5		±0.25		projection		title COOLPOWER HD 9.1MM & 8MM RA BOARD ASSEMBLY			dwg no 10174704		rev	
			0.XX ±0.25		±0.13												
			0.XXX ±0.13												A		
		angular		0° ±°								cat. no. -					
								product family -			Product - Customer Drw			sheet 1 of 2			



TOP VIEW
PCB LAYOUT
(RECOMMENDED STENCIL THICKNESS: 0.15MM)

- Ø 3.30 ±0.05 NPTH
⊕ Ø 0.10 A B
DIM Ø C ±0.05 PTH
⊕ Ø 0.10 A B
(2x Ø 14.00)
SEE NOTE 10
STENCIL OPENING, PIP ONLY
Ø 15.50
STENCIL OPENING, PIP ONLY
Ø 5.00
STENCIL OPENING, PIP ONLY
0.50 TYP.

2.40
RECOMMENDED PCB THICKNESS

- NOTE.
1. PRODUCT MARK PART NUMBER, MANUFACTURER'S NAME AND DATE CODE TO MARKED ON THIS SURFACE.
 2. MATERIALS:
 - HOUSING & PICK UP CAP: HIGH TEMP THERMOPLASTIC, UL94V-0, BLACK.
 - POWER CONTACT: HIGH CONDUCTIVITY COPPER ALLOY.
 3. PLATING SPECIFICATION:
TERMINALS: SILVER OVER NICKEL PLATING.
 4. DENOTES CONNECTOR KEEP OUT ZONE.
 5. DATUM AND BASIC DIMENSIONS ARE ESTABLISHED BY CUSTOMER.
 6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
 7. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS FOR PIP(REFLOW SOLDERING) AND DIP(WAVE SOLDERING).
 8. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
 9. PRODUCT SPECIFICATION : GS-12-1941.
APPLICATION SPECIFICATION : GS-20-0908.
PRODUCT PACKAGE SPECIFICATION: GS-14-3141.
 10. THE MODULE LINE OF THE MOUL.

SERIES	PCB APPLICATION	DIM C	DIM D
9.1MM 250A/PIN	10174704-001LF	8.30	7.50
	10174704-001CLF		
	10174704-001PLF		
	10174704-001PCLF		
8.0MM 200A/PIN	10174704-002LF	7.30	10.50
	10174704-002CLF		
	10174704-002PLF		
	10174704-002PCLF		

spec ref	-	dr	Ethan Chen	2024/05/23	Amphenol Power Solutions	MM	scale	2.000	size	A3	
tolerance std	ISO 406 ISO 1101	eng	Dong, Qing-Fen	2026/03/06		ecn no	ELX-DG-280526-1				
surface	TOLERANCES UNLESS OTHERWISE SPECIFIED	rvwr	-	-		rel lev	PDF Released				
		appr	Andy Lu	2026/03/10	A Division of Amphenol Corporation		amphenol-icc.com	cat. no.			
		projection		COOLPOWER HD 9.1MM & 8MM RA BOARD		dwg no	10174704		rev		
ISO 1302		linear	0.X ±0.5 0.XX ±0.25 0.XXX ±0.13	ASSEMBLY		cat. no.		-		A	
angular		0° ±°	product family		-	Product - Customer Drw		sheet 2 of 2			