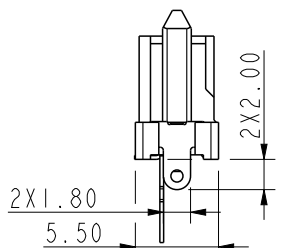
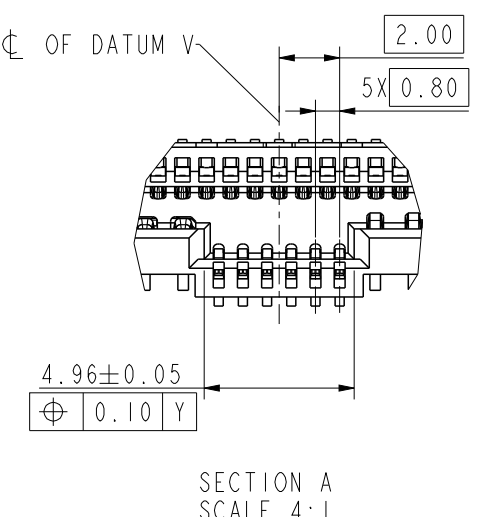


Amphenol		MM		scale 2:1	size A3
		ecn no ELX-CD-296299-1			
amphenol-icc.com		rel level Released			
PSAS VERTICAL SMT		dwg no	PSAS5F313020XXX		rev
		cat. no.			A
	PSAS			sheet 1 of 3	

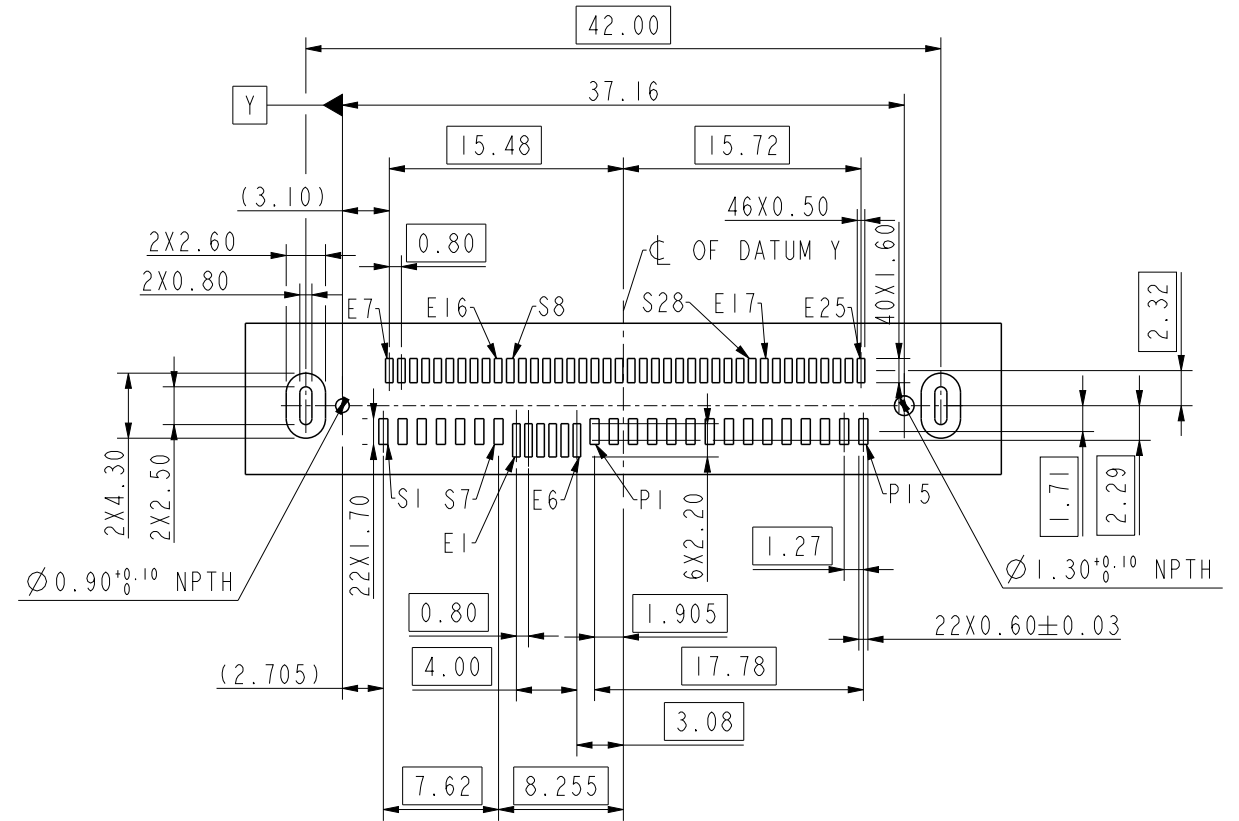
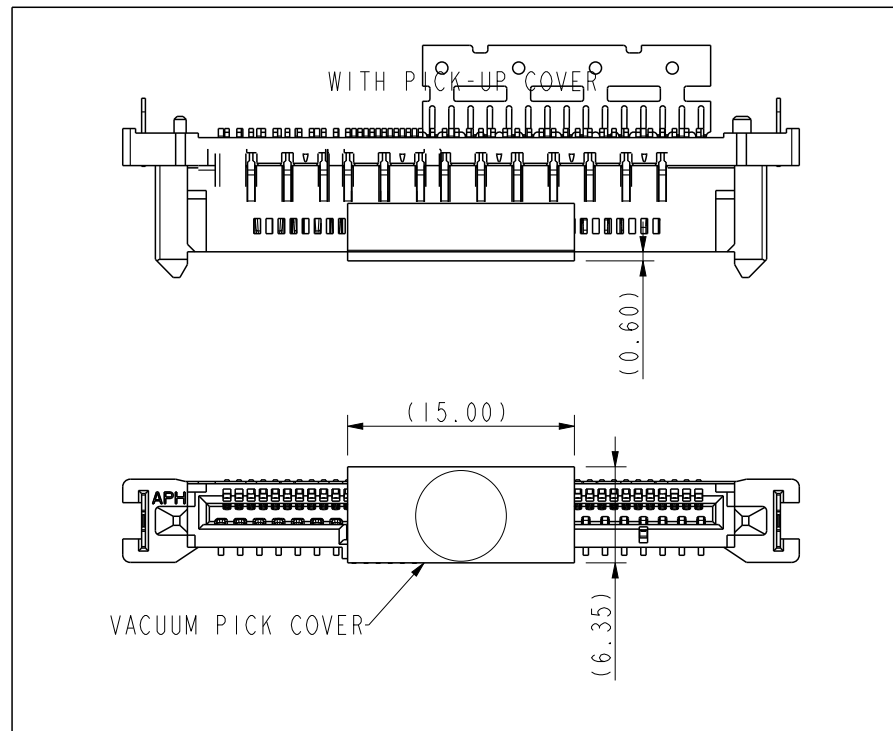


NOTE:

- MATERIAL:
 - HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK, UL94-V0, HALOGEN FREE.
 - CONTACT: PHOSPHOR BRONZE
 - BOARD LOCK: COPPER ALLOY
- PLATING:
 - CONTACTS: MATING AREA PLEASE REFER TO PN SYSTEM, 1.27um MIN Ni UNDERPLATED
SOLDER TAIL 2.54um MIN MATTE TIN, 1.27um MIN Ni UNDERPLATED
 - BOARD LOCK: 2.54um MIN MATTE TIN 1.27um MIN Ni UNDERPLATED
- ELECTRICAL PERFORMANCE:
 - CURRENT RATING: 1.5A/PER PIN (POWER SECTION).
 - CONTACT RESISTANCE: 30mΩ MAX (INITIAL)
 - INSULATION RESISTANCE: 1000MΩ MIN
 - DIELECTRIC STRENGTH: 500 VAC FOR 1 MINUTE
 - OPERATION TEMPERATURE: -55°C~+105°C
- PREMATING AT P4 & P12.
- SUPPORT PCIe GEN5.
- MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC#S-SN-002.
- ALL GND PINS CONNECT TOGETHER.
S1, S4, S7, E9, E12, E15, S8, S11, S14, S16, S19, S22, S25, S28, E19, E22
- MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC#S-SN-002 AND SPEC#S-SN-004
- ORDER P/N SYSTEM: PSAS5F3I3020XXX

MATING AREA PLATING
1- 0.76um MIN Au.
2- 0.38um MIN Au.
3- GOLD FLASH

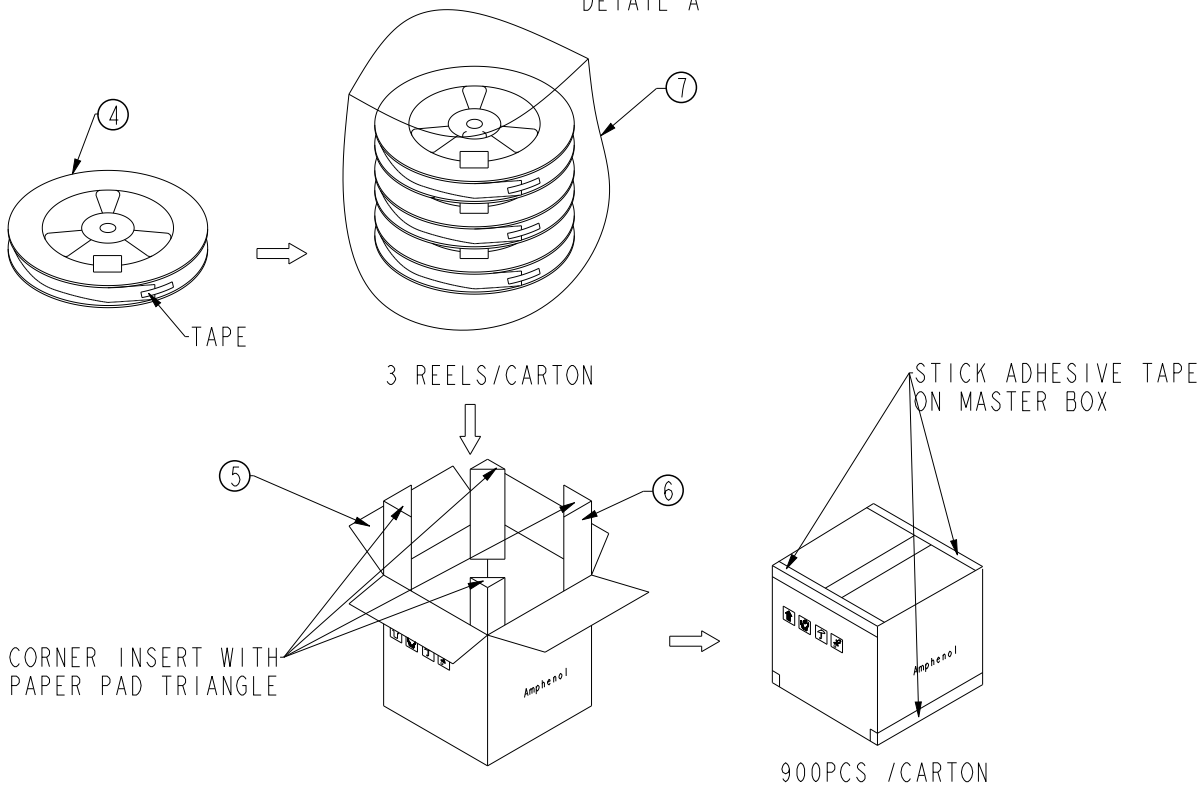
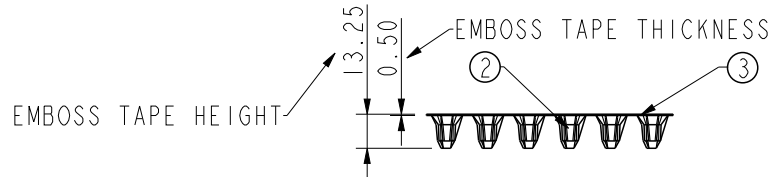
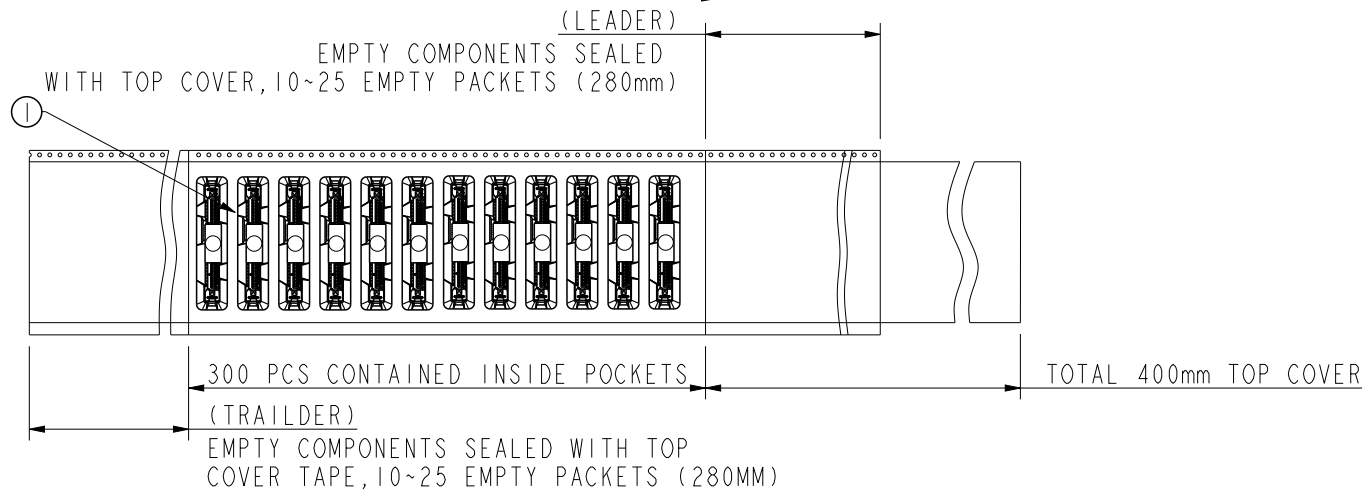
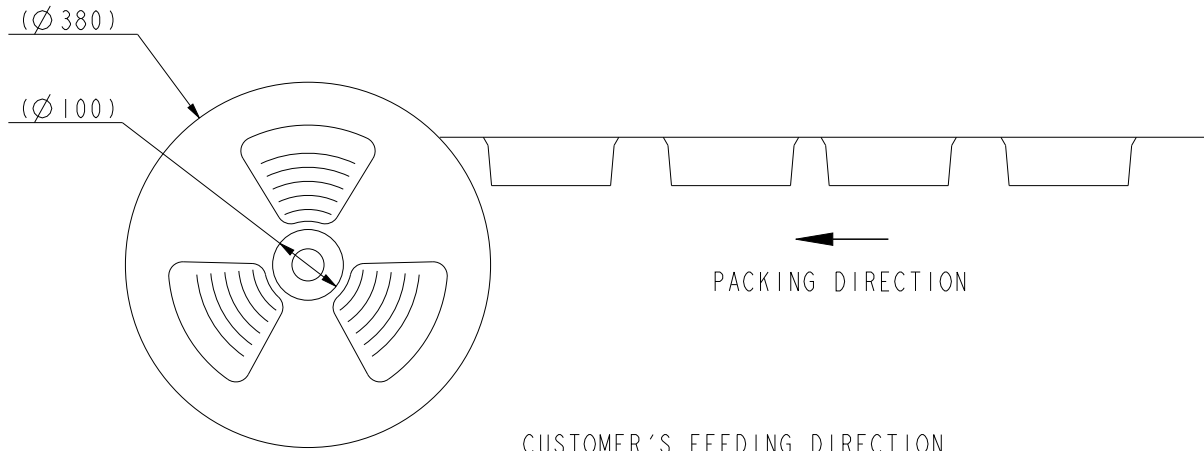
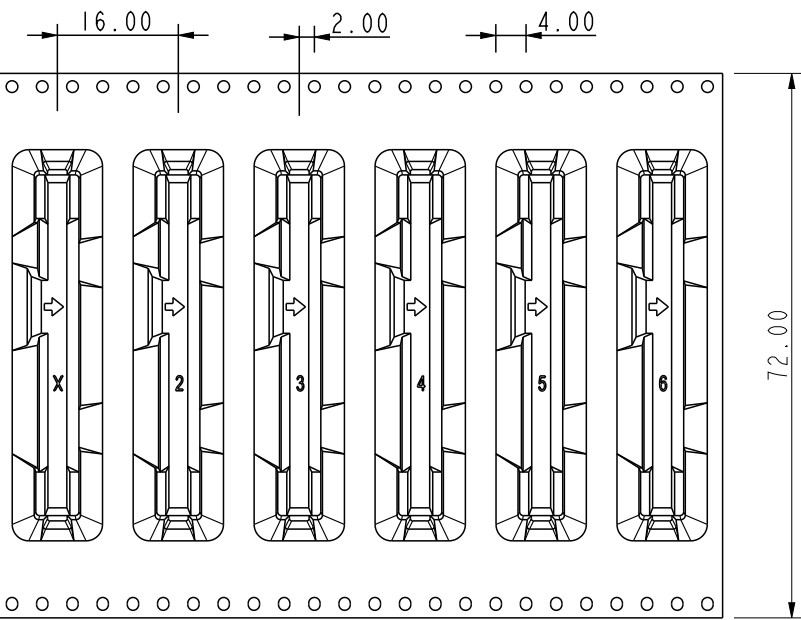
PACKING SYSTEM
C- TRAY WITH PICK-UP CAP
TR- TAPE AND REEL WITH PICK-UP CAP



RECOMMENDED PCB LAYOUT(TOP VIEW)
GENERAL TOLERANCE ± 0.05 (PCB THICKNESS: 1.0~2.0MM)

spec ref				dr		Kumar-P, Prave		2026/07/07		Amphenol			MM		scale		size						
tolerance std				eng		Teng Cao		2026/07/07					←→		2:1		A3						
				rvwr		-		-					ecn no		ELX-CD-296299-1								
				appr		XD Hu		2026/07/07					amphenol-icc.com				rel level		Released				
surface ✓				linear		0.X		±0.50		projection		title		PCIe/SAS VERTICAL SMT		dwg no		PSAS5F313020XXX		rev		A	
						0.XX		±0.25															
						0.XXX		±0.20															
						angular		0°															
																product family		PSAS				sheet 2 of 3	

revision history				
rev	ecn no	description	dr	date
-	----	REFER TO SHEET 1/3	-	-



7	PLASTIC BAG	NA
6	PAPER PAD TRIANGLE	CORRUGATED FIBERBOARD
5	MASTER BOX	CORRUGATED FIBERBOARD
4	PP REEL	PP
3	TOP COVER TAPE	PET
2	EMBOSS TAPE	POLYSTYRENE
1	CONNECTOR	NA
ITEM	DESCRIPTION	MATERIAL

spec ref				dr		Kumar-P, Prave		2026/07/07		Amphenol				MM		scale		size					
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Teng Cao		2026/07/07						ecn no				ELX-CD-296299-1					
				rvwr		-		-						rel level				Released					
				appr		XD Hu		2026/07/07		amphenol-icc.com													
surface		linear		0.X		±0.50		projection		title		PCIe/SAS VERTICAL SMT				drag no		PSAS5F3I3020XXX				rev	
				0.XX		±0.25										cat. no.		A					
				0.XXX		±0.20																	
				angular		0°		±3°		product family				PSAS				sheet 3 of 3					