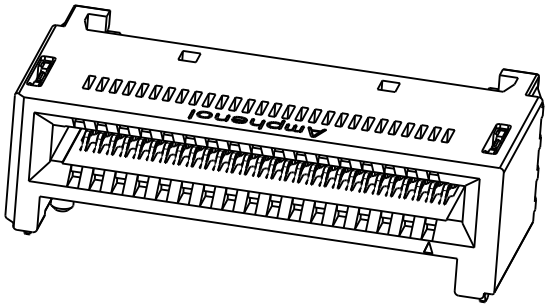


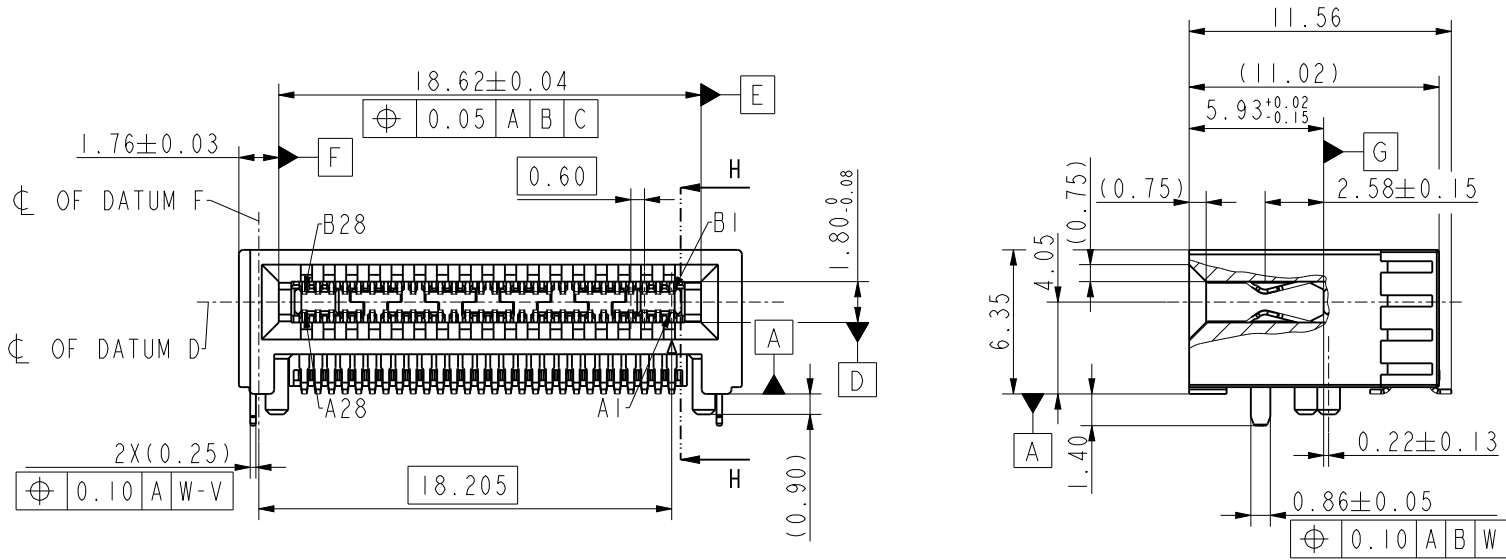
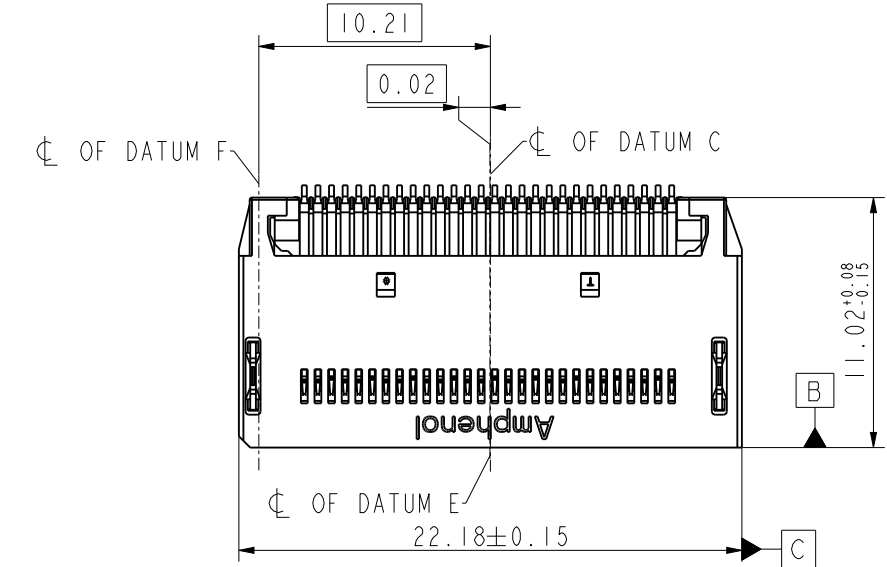
revision history				
rev	ecn no	description	dr	date
A	CD2571	FIRST RELEASE	RH	2021/04/26
B	ELX-CD-43030-1	CHANGE AND ADD PIN ASSIGNMENT	RH	2021/11/24



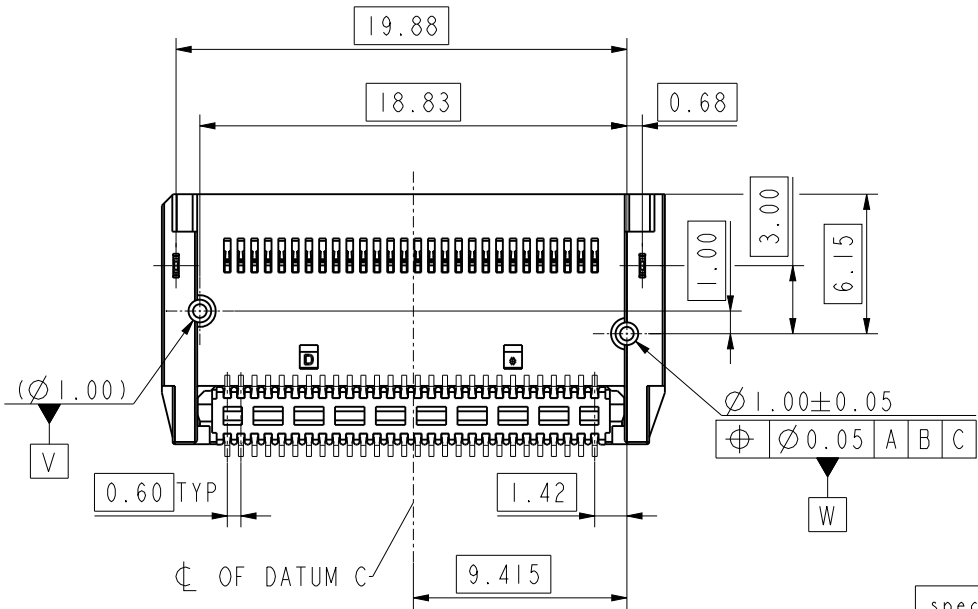
- NOTE:
- MATERIAL:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC BLACK UL94-V0.
CONTACT: COPPER ALLOY
BOARD LOCK: COPPER ALLOY
 - PLATING:
CONTACT: MATING AREA: SEE PART NUMBER TABLE LIST
OVER 1.27um MIN NICKEL UNDERPLATED
SOLDER AREA: 1.27um MIN MATT TIN OVER 1.27um MIN NICKEL UNDERPLATED
BOARD LCOK: 1.27um MIN MATT TIN OVER 1.27um MIN NICKEL UNDERPLATED
 - ELECTICAL PERFORMANCE:
RATED CURRENT: 1.1A/PIN UP TO 12PINS
LLCR: DELTA 15mΩ MAX
INSULATION RESISTANCE: 1000MΩ MIN.
 - MECHANICAL PERFORMANCE
MATING FORCE:30.8N MAX.
UNMATING FORCE:2.8N MIN
DURABILITY:200CYCLES
 - CONNECTOR PIN ASSIGNMENT REFER TO PAGE 2.
 - ⚠ POSITIONS DESIGNATED AS "SIGNAL" ARE REQUIRED LOCATIONS FOR HIGH SPEED DIFFERENTIAL PAIR SIGNALING; POSITIONS DESIGNATED AS "GROUND" ARE REQUIRED WHEN SUPPORTING HIGH SPEED DIFFERENTIAL SIGNAL; POSITIONS DESIGNATED AS "OPTIONAL" ARE REQUIRED LOCATIONS FOR POWER OR SIDE BAND.
 - CONNECTOR IS ROHS COMPLIANT.
 - ORDERING PN SEE PART NUMBER TABLE LIST.

MEI005610201045	GXT 0.38um
MEI005610201044	GXT 0.76um
MEI005610201043	GOLD FLASH
MEI005610201042	0.38um Au
MEI005610201041	0.76um Au
PART NUMBER	PLATING
PART NUMBER LIST TABLE	

spec ref		S-ME-004		dr	Rocky Huang	2021/11/19	Amphenol SS10			mm	scale	size		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rocky Huang	2021/11/25					ecn no	ELX-CD-43030-1	A3	
				rvwr	Rocky Huang	2021/11/25								
				appr	LY Yi	2021/11/26								amphenol-icc.com
surface	✓	linear	0.X	± 0.25	projection		title	MINI COOL EDGE CONNECTOR			drg no	C MEI00561020104X		rev
			0.XX	± 0.20										
			0.XXX	± 0.15										
		angular	0°	± 5°										
					product family			sheet 1 of 4						

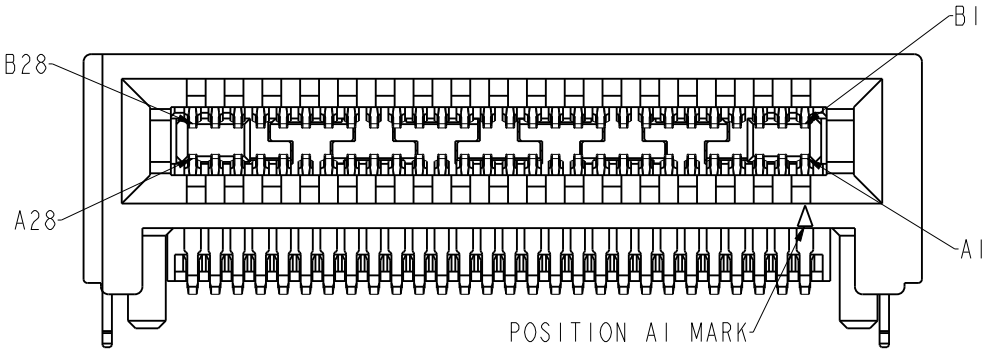


SECTION H-H



CONNECTOR PIN ASSIGNMENT 

SIDE A			SIDE B	
A1	OPTIONAL		OPTIONAL	B1
A2	OPTIONAL		OPTIONAL	B2
A3	OPTIONAL		OPTIONAL	B3
A4	OPTIONAL		OPTIONAL	B4
A5	OPTIONAL		OPTIONAL	B5
A6	OPTIONAL		OPTIONAL	B6
A7	OPTIONAL		OPTIONAL	B7
A8	OPTIONAL		OPTIONAL	B8
A9	OPTIONAL		OPTIONAL	B9
A10	OPTIONAL		OPTIONAL	B10
A11	OPTIONAL		OPTIONAL	B11
A12	OPTIONAL		OPTIONAL	B12
A13	OPTIONAL		OPTIONAL	B13
A14	OPTIONAL		OPTIONAL	B14
A15	OPTIONAL		OPTIONAL	B15
A16	GROUND	●	GROUND	B16
A17	SIGNAL	●	SIGNAL	B17
A18	SIGNAL	●	SIGNAL	B18
A19	GROUND	●	GROUND	B19
A20	SIGNAL	●	SIGNAL	B20
A21	SIGNAL	●	SIGNAL	B21
A22	GROUND	●	GROUND	B22
A23	SIGNAL	●	SIGNAL	B23
A24	SIGNAL	●	SIGNAL	B24
A25	GROUND	●	GROUND	B25
A26	SIGNAL	●	SIGNAL	B26
A27	SIGNAL	●	SIGNAL	B27
A28	GROUND	●	GROUND	B28



spec ref		S-ME-004		dr	Rocky Huang	2021/11/19	Amphenol SS10		mm	scale	size
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Rocky Huang	2021/11/25				3:1	A3
				r vwr	Rocky Huang	2021/11/25			ecn no	ELX-CD-43030-1	
surface		linear		appr	LY Yi	2021/11/26	amphenol-icc.com		rel level		Released
				projection		MINI COOL EDGE CONNECTOR		dwg no	C ME100561020104X		rev
				angular		R/A , H4.05, 56P, 0.6PITCH, PCIe Gen 5		cat. no.		B	
						product family				sheet 2 of 4	

A

C

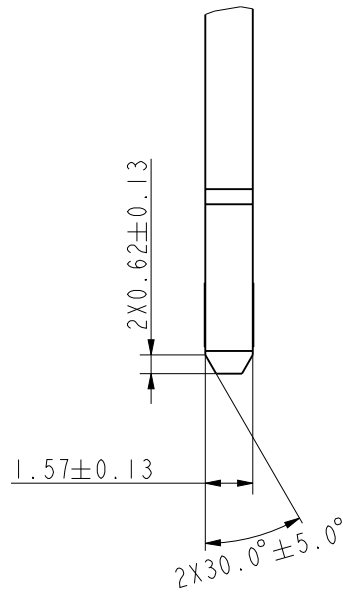
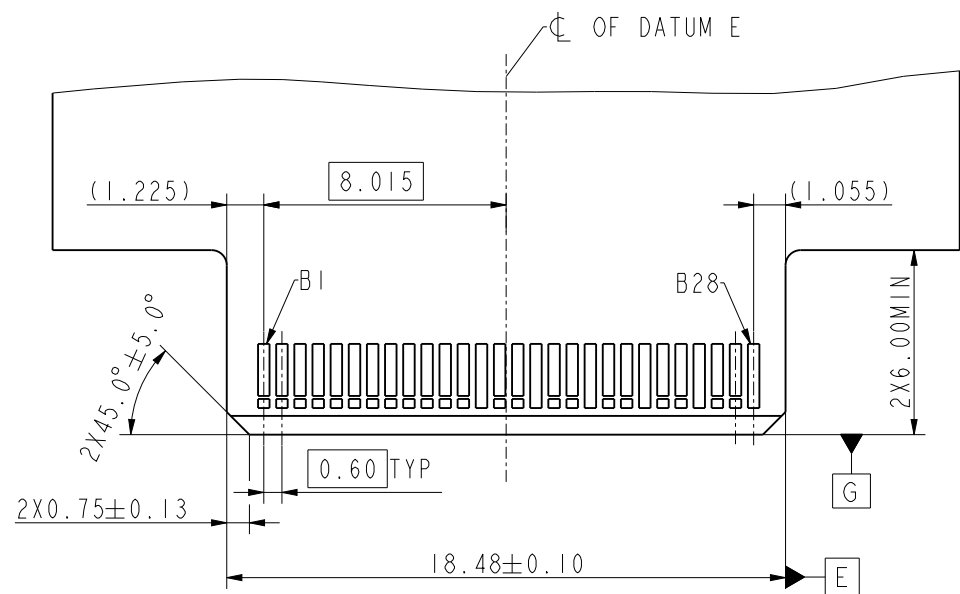
D

A

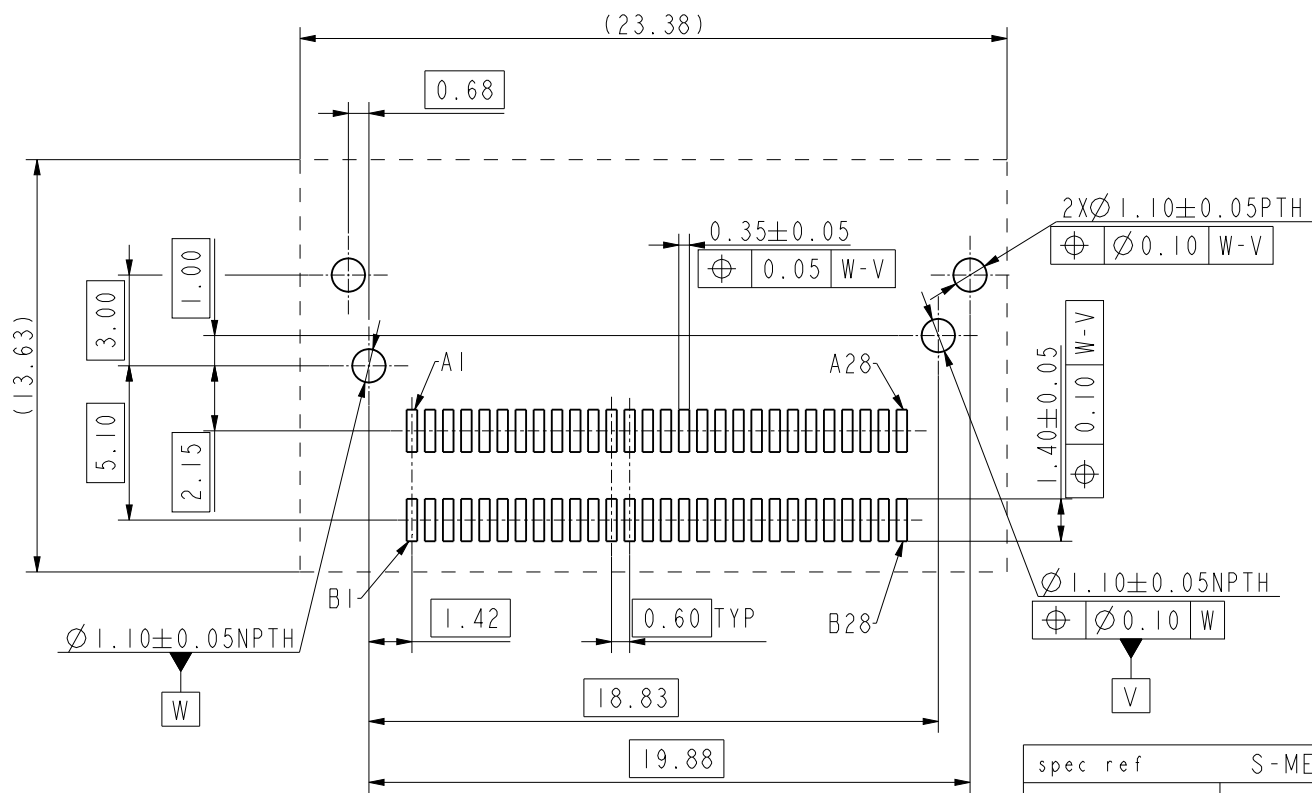
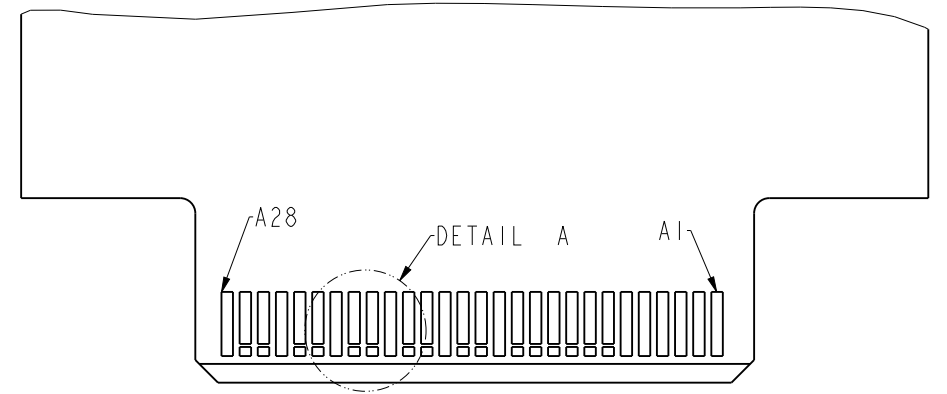
B

C

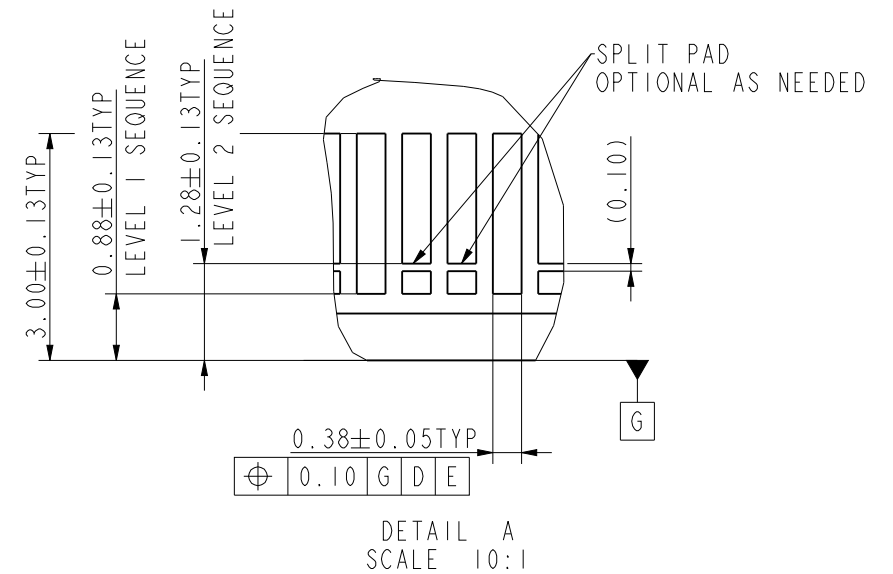
D



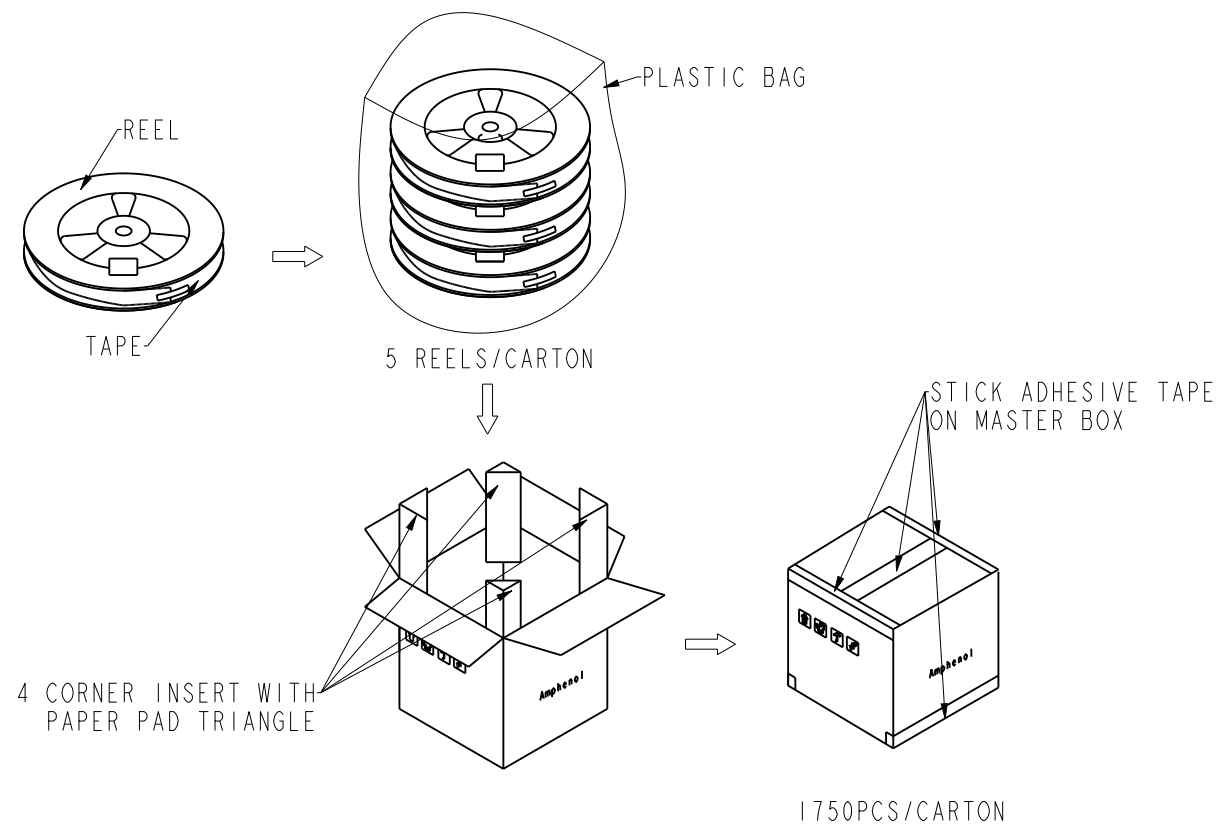
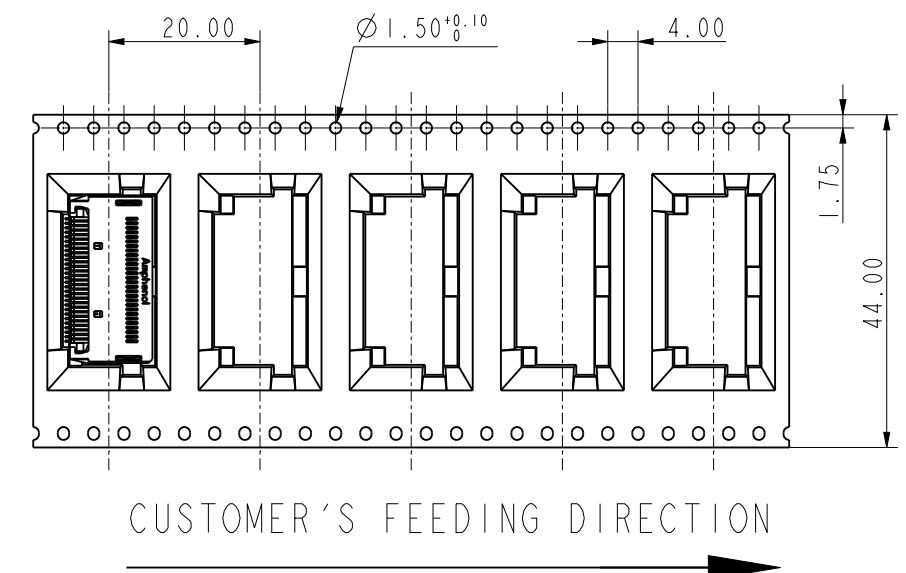
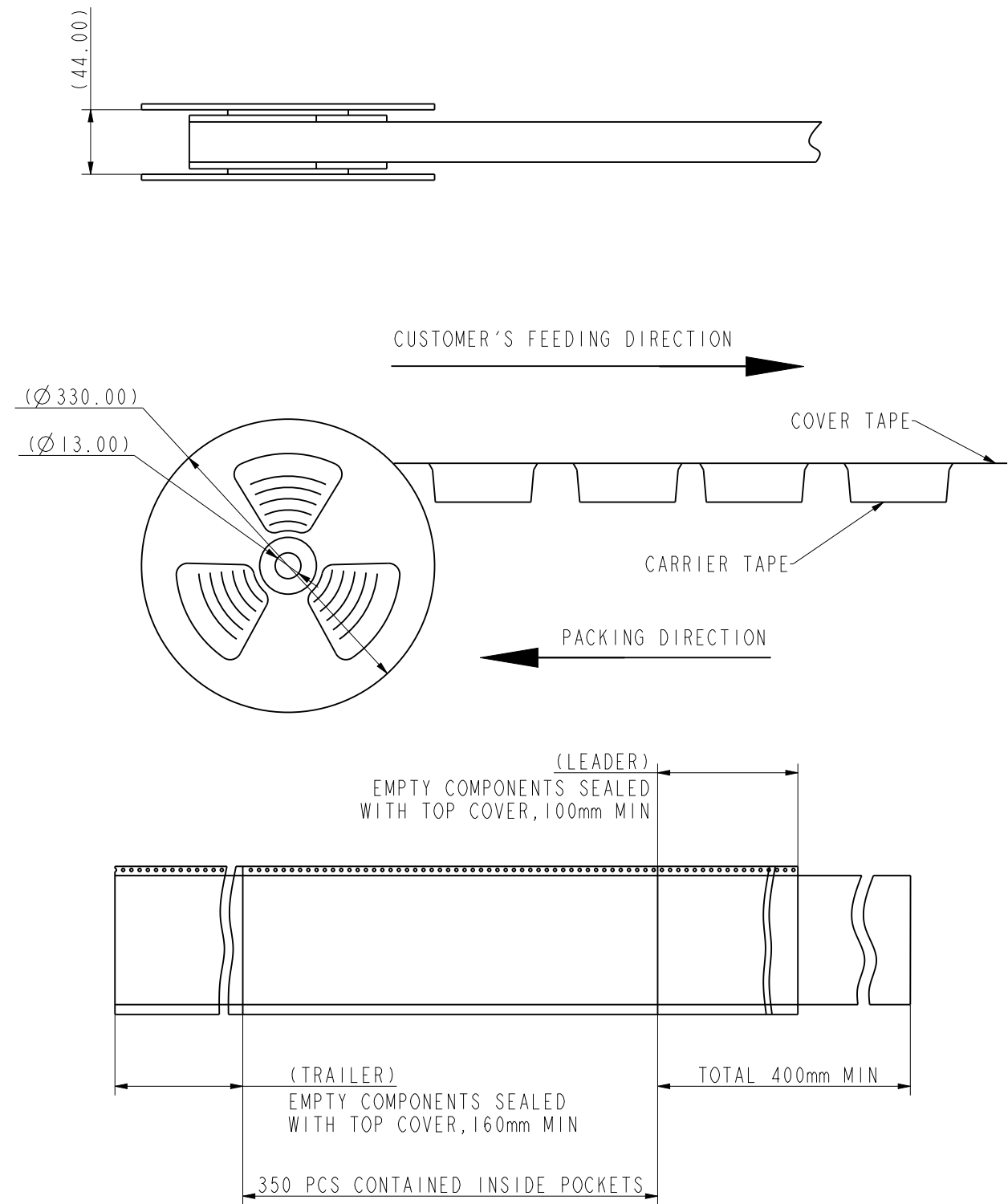
RECOMMENDED AIC CARD



RECOMMENDED FOOTPRINT



spec ref		S-ME-004			dr	Rocky Huang	2021/11/19	Amphenol SS10			mm	scale	size
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rocky Huang	2021/11/25	3:1					A3	
				rvwr	Rocky Huang	2021/11/25	ecn no				ELX-CD-43030-1		
					appr	LY Yi	2021/11/26	amphenol-icc.com			rel level		Released
surface	linear	0.X	± 0.25	projection		title	MINI COOL EDGE CONNECTOR			dwg no	C ME100561020104X		rev
		0.XX	± 0.20										
		0.XXX	± 0.15				R/A ,H4.05,56P,0.6PITCH,PECle Gen 5			cat. no.			
	angular	0°	± 5°	product family							sheet 3 of 4		



CARTON SIZE: 340X340X265

spec ref		S-ME-004			dr		Rocky Huang	2021/11/19	Amphenol SS10			mm		scale		size		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Rocky Huang	2021/11/25				3:1		A3				
					rvwr		Rocky Huang	2021/11/25										
					appr		LY YI	2021/11/26										
							amphenol-icc.com			ecn no		ELX-CD-43030-1						
										rel level		Released						
surface		linear		0.X	± 0.25	projection		mini cool edge connector		R/A ,H4.05,56P,0.6PITCH,PCIe Gen 5		dwg no		C ME100561020104X		rev		
				0.XX	± 0.20													
				0.XXX	± 0.15													
				angular	0°	± 5°												