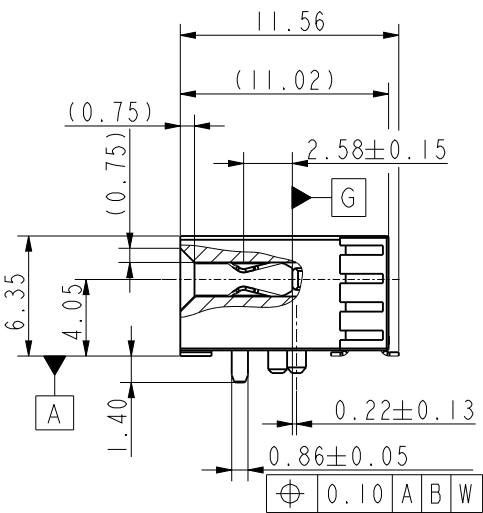
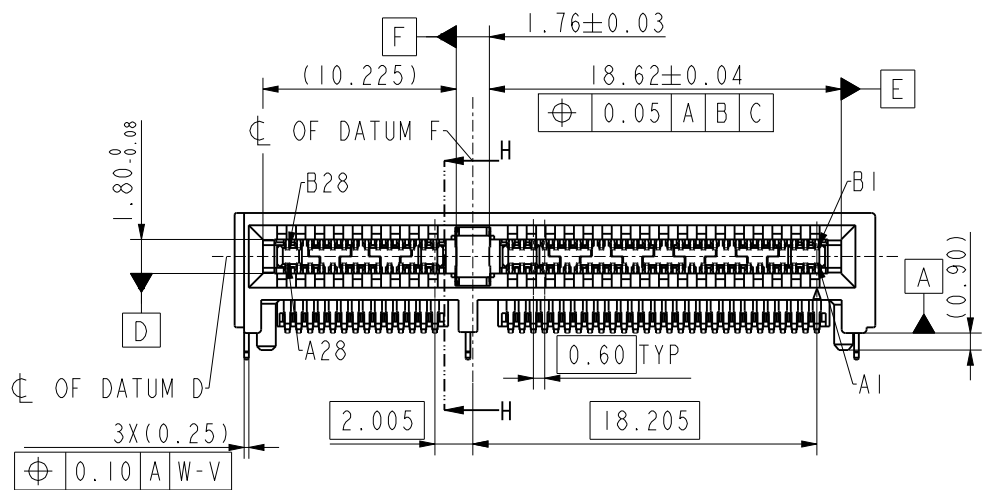
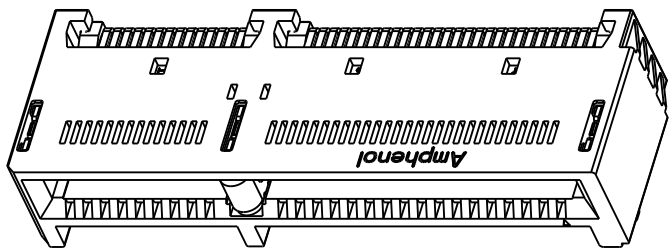
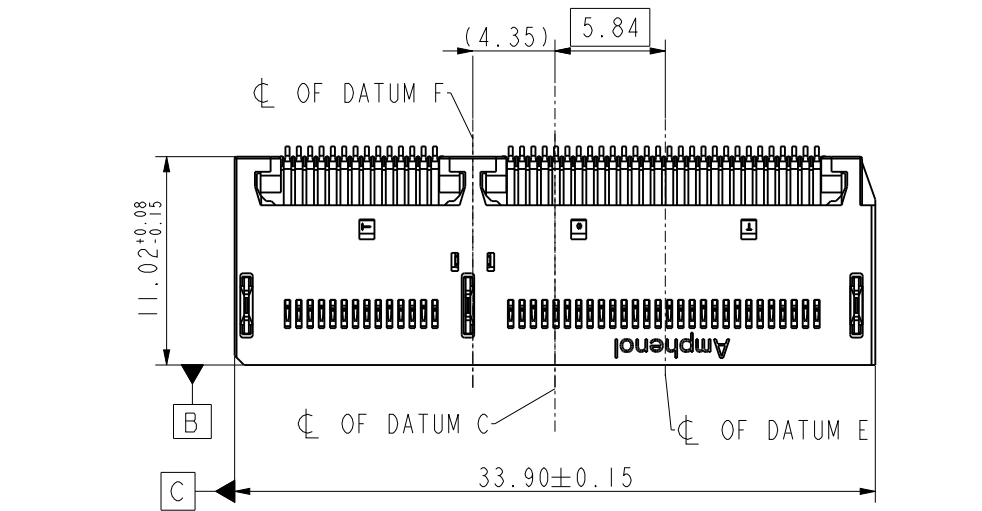
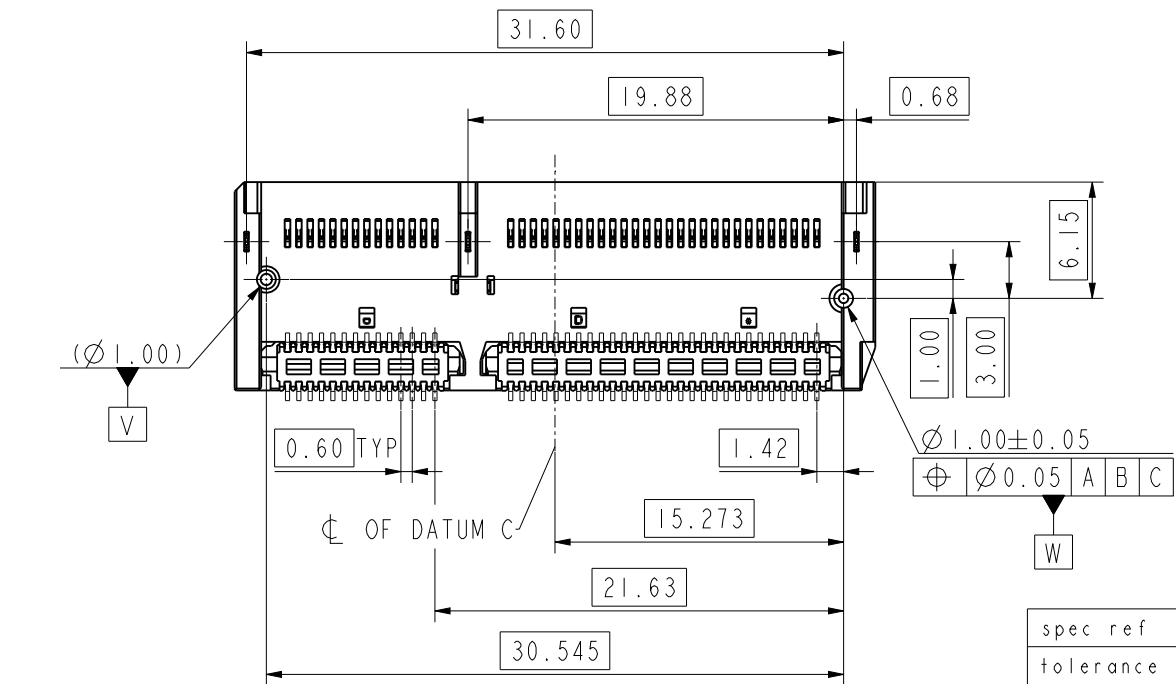


revision history				
rev	ecn no	description	dr	date
A	CD2571	FIRST RELEASE	RH	2021/04/28
B	ELX-CD-43030-1	CHANGE AND ADD PIN ASSIGNMENT	RH	2021/11/24



SECTION H-H



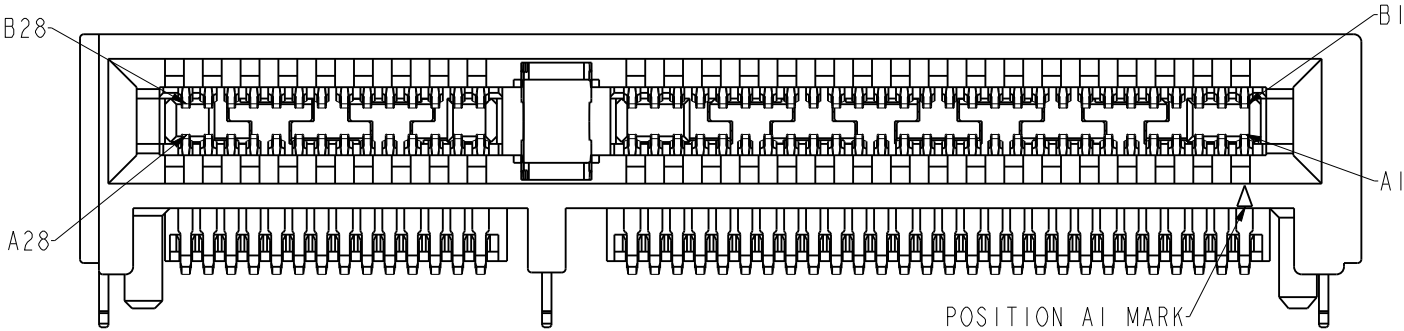
- NOTE:
- MATERIAL:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC BLACK UL94-V0.
CONTACT: COPPER ALLOY
BOARD LOCK: COPPER ALLOY
 - PLATING:
CONTACT: MATING AREA: SEE PART NUMBER TABLE LIST
OVER 1.27um MIN NICKEL UNDERPLATED
SOLDER AREA: 1.27um MIN MATT TIN OVER 1.27um MIN NICKEL UNDERPLATED
BOARD LCOK: 1.27um MIN MATT TIN OVER 1.27um MIN NICKEL UNDERPLATED
 - ELECTRICAL PERFORMANCE:
RATED CURRENT: 1.1A/PIN UP TO 12PINS
LLCR: DELTA 15mΩ MAX
INSULATION RESISTANCE: 1000MΩ MIN.
 - MECHANICAL PERFORMANCE
MATING FORCE: 46.2N MAX.
UNMATING FORCE: 4.2N 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 BELOW PART NUMBER TABLE LIST.

ME1008410201045	GXT 0.38um
ME1008410201044	GXT 0.76um
ME1008410201043	GOLD FLASH
ME1008410201042	0.38um Au
ME1008410201041	0.76um Au
PART NUMBER	PLATING SPEC
PART NUMBER LIST TABLE	

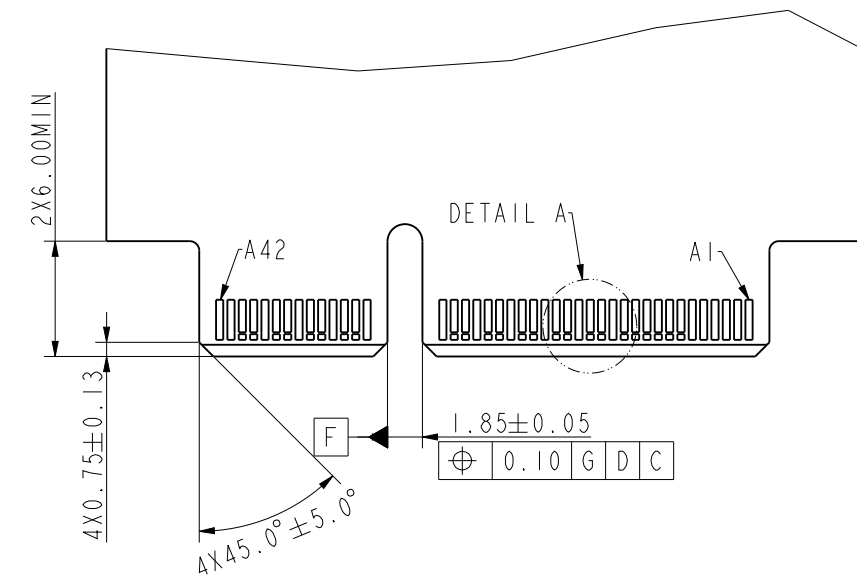
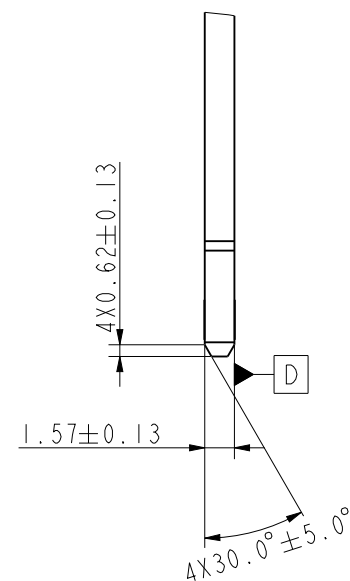
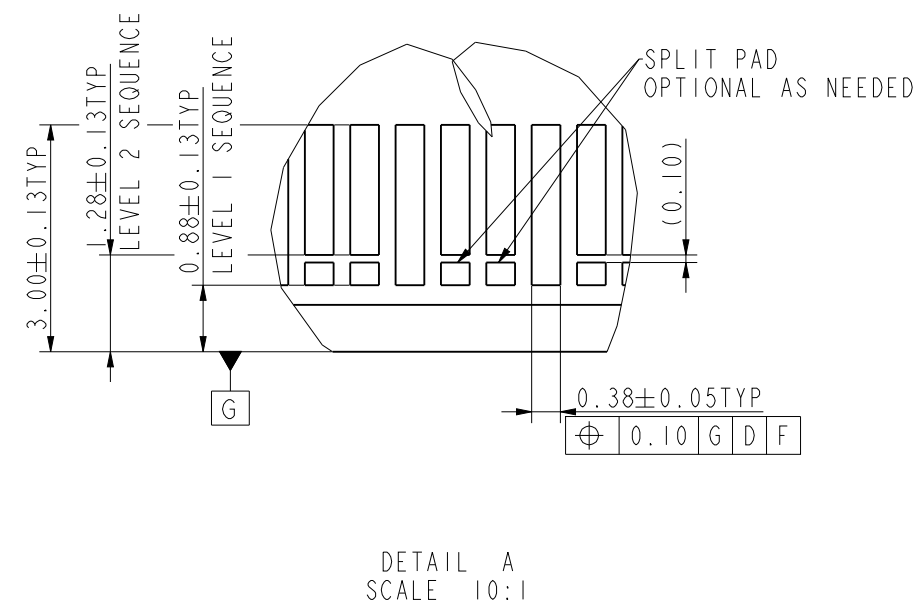
spec ref		S-ME-004		dr	Rocky Huang	2021/11/19	Amphenol SS10		mm	scale	size
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rocky Huang	2021/11/25				ecn no	ELX-CD-43030-1
				r vwr	Rocky Huang	2021/11/25	amphenol-icc.com		rel level	Released	
				appr	LY Yi	2021/11/26					
surface	linear	0.X	±0.25	projection	title	MINI COOL EDGE CONNECTOR		dwg no	C ME100841020104X		rev
		0.XX	±0.20								
		0.XXX	±0.10								
		angular	0°	±5°		R/A, H4.05, 84P, 0.6 PITCH, PCIe Gen 5		cat. no.		B	
				product family				sheet 1 of 4			

CONNECTOR PIN ASSIGNMENT

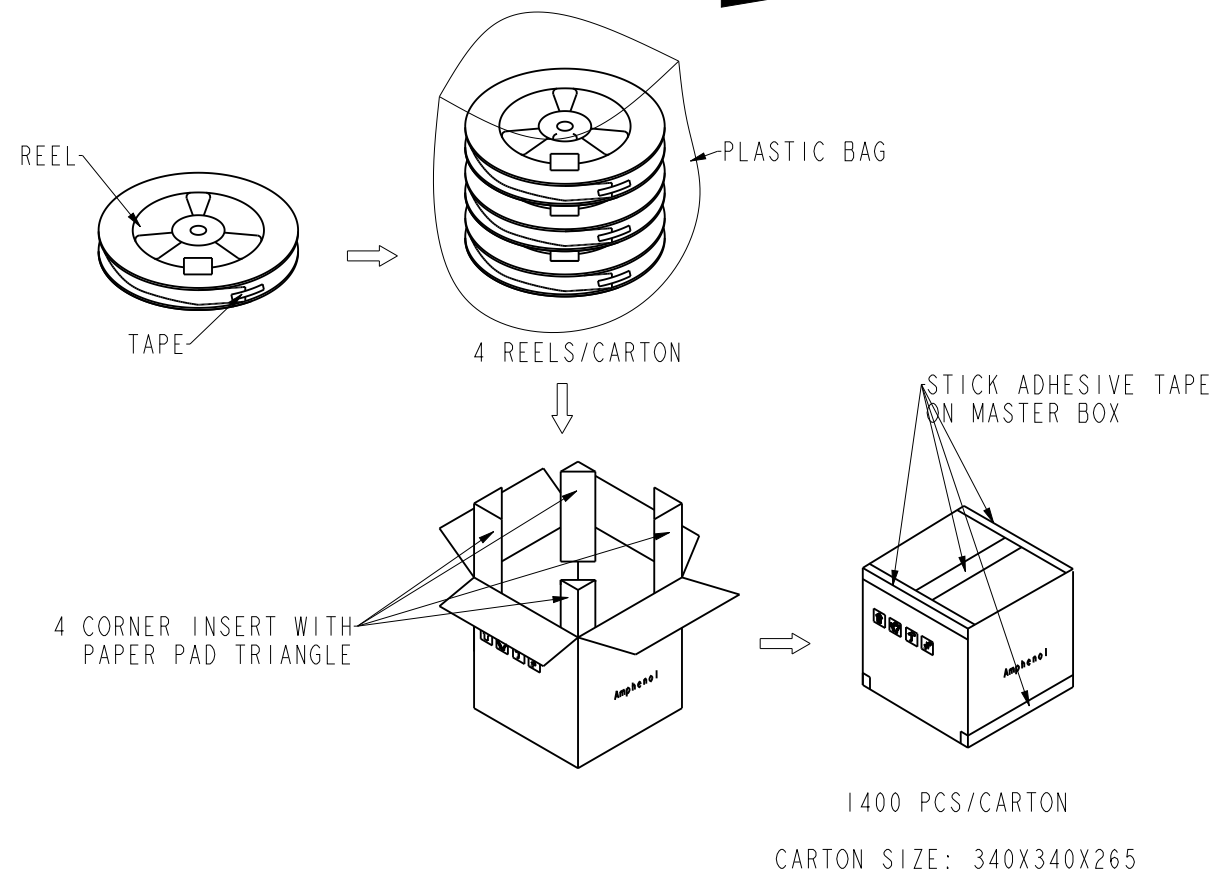
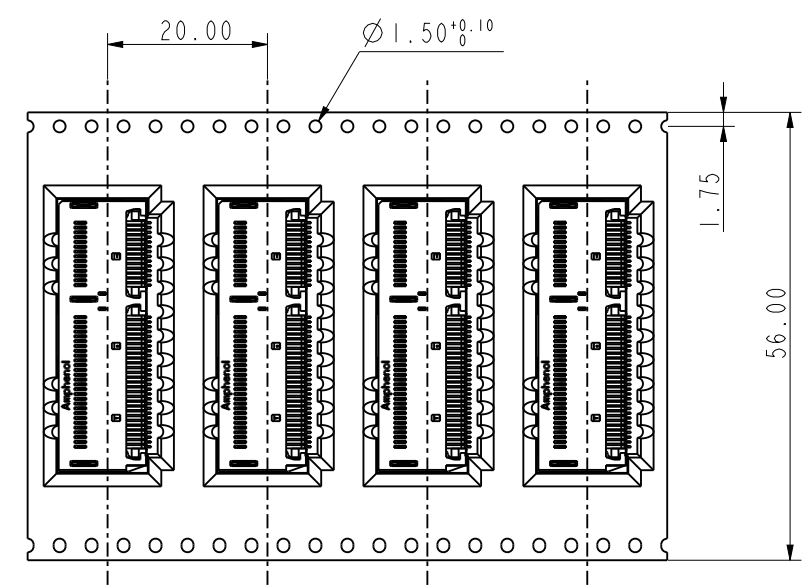
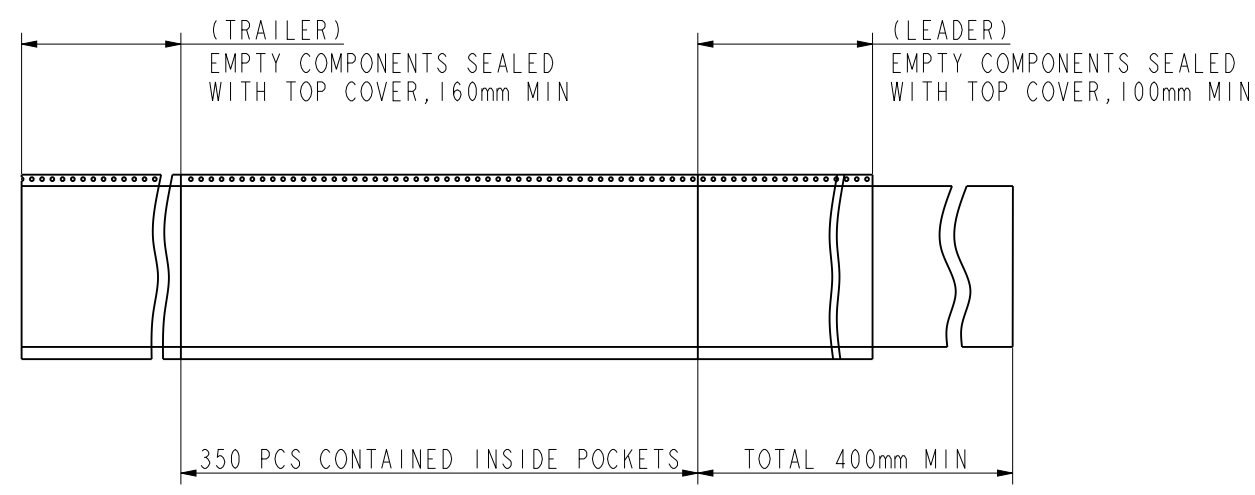
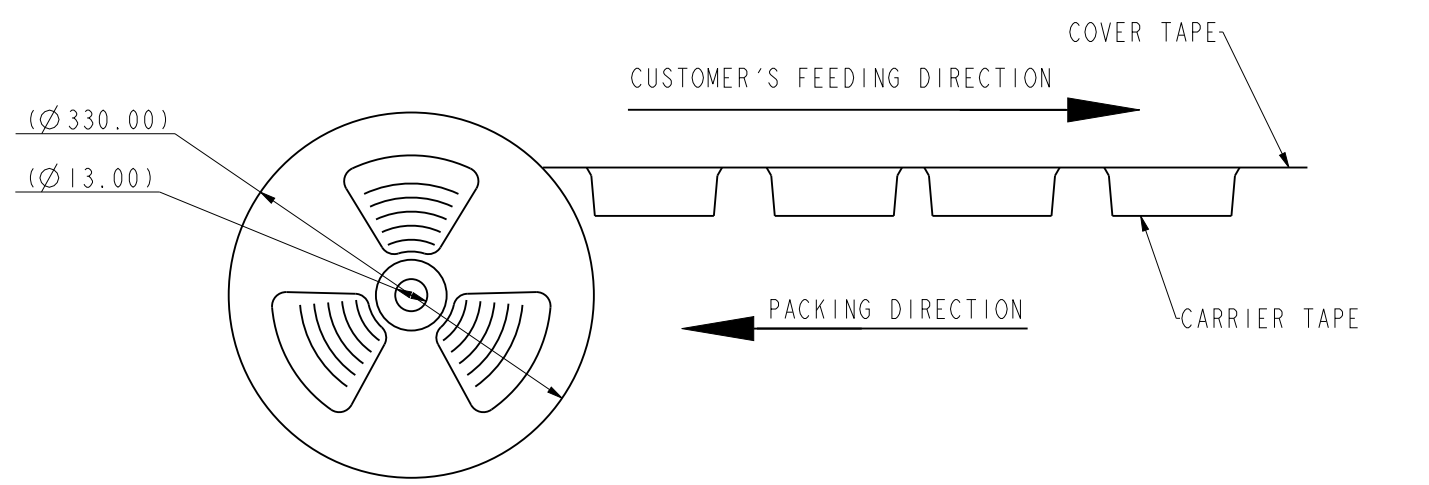
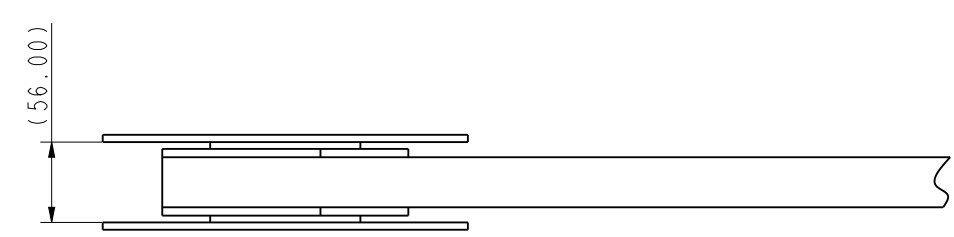
SIDE A			SIDE B	
A1	OPTIONAL		OPTIONAL	B1
A2	OPTIONAL		OPTIONAL	B2
A3	OPTIONAL		OPTIONAL	B3
A4	OPTIONAL		OPTIONAL	B4
A5	OPTIONAL		OPTIONAL	B5
A6	OPTIONAL		OPTIONAL	B6
A7	OPTIONAL		OPTIONAL	B7
A8	OPTIONAL		OPTIONAL	B8
A9	OPTIONAL		OPTIONAL	B9
A10	OPTIONAL		OPTIONAL	B10
A11	OPTIONAL		OPTIONAL	B11
A12	OPTIONAL		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
MECHANICAL KEY				
A29	GROUND	●	GROUND	B30
A30	SIGNAL		SIGNAL	B31
A31	SIGNAL		SIGNAL	B32
A32	GROUND	●	GROUND	B33
A33	SIGNAL		SIGNAL	B34
A34	SIGNAL		SIGNAL	B35
A35	GROUND	●	GROUND	B36
A36	SIGNAL		SIGNAL	B37
A37	SIGNAL		SIGNAL	B38
A38	GROUND	●	GROUND	B39
A39	SIGNAL		SIGNAL	B40
A40	SIGNAL		SIGNAL	B41
A41	GROUND	●	GROUND	B42
A42	OPTIONAL		OPTIONAL	B43

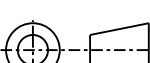


spec ref				S-ME-004				dr		Rocky Huang		2021/11/19		Amphenol SS10				mm		scale		size																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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surface				linear 0.X ±0.25 0.XX ±0.20 0.XXX ±0.10 angular 0° ±5°				projection				title				MINI COOL EDGE CONNECTOR				diag no		C ME100841020104X				rev																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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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		5:2	
				r vwr		Rocky Huang		2021/11/25											
				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 ME100841020104X		rev	
				0.XX		±0.20								cat. no.		B			
				0.XXX		±0.10													
		angular		0°		±5°				product family						sheet 3 of 4			



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			5:2	A3		
				r vwr	Rocky Huang	2021/11/25						
				appr	LY YI	2021/11/26						
amphenol-icc.com							ec n no	ELX-CD-43030-1				
							rel level	Released				
surface	linear	0.X	±0.25	projection		title	MINI COOL EDGE CONNECTOR		dwg no	C ME100841020104X		rev
		0.XX	±0.20									
		0.XXX	±0.10						R/A,H4.05,84P,0.6 PITCH,PCIe Gen 5		cat. no.	
	angular	0°	±5°	product family				sheet 4 of 4				
										B		