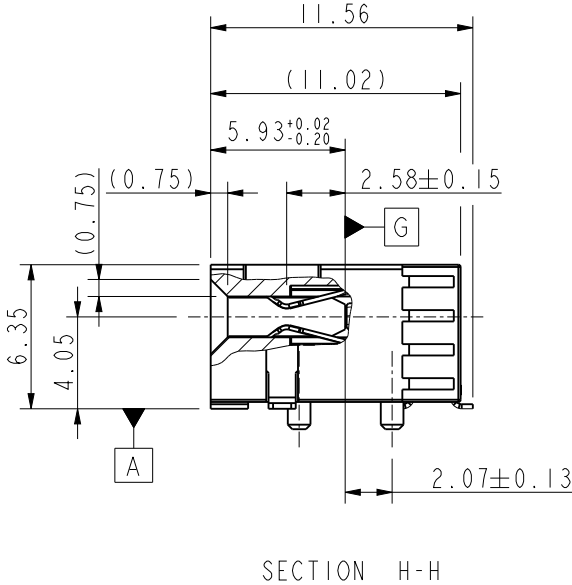
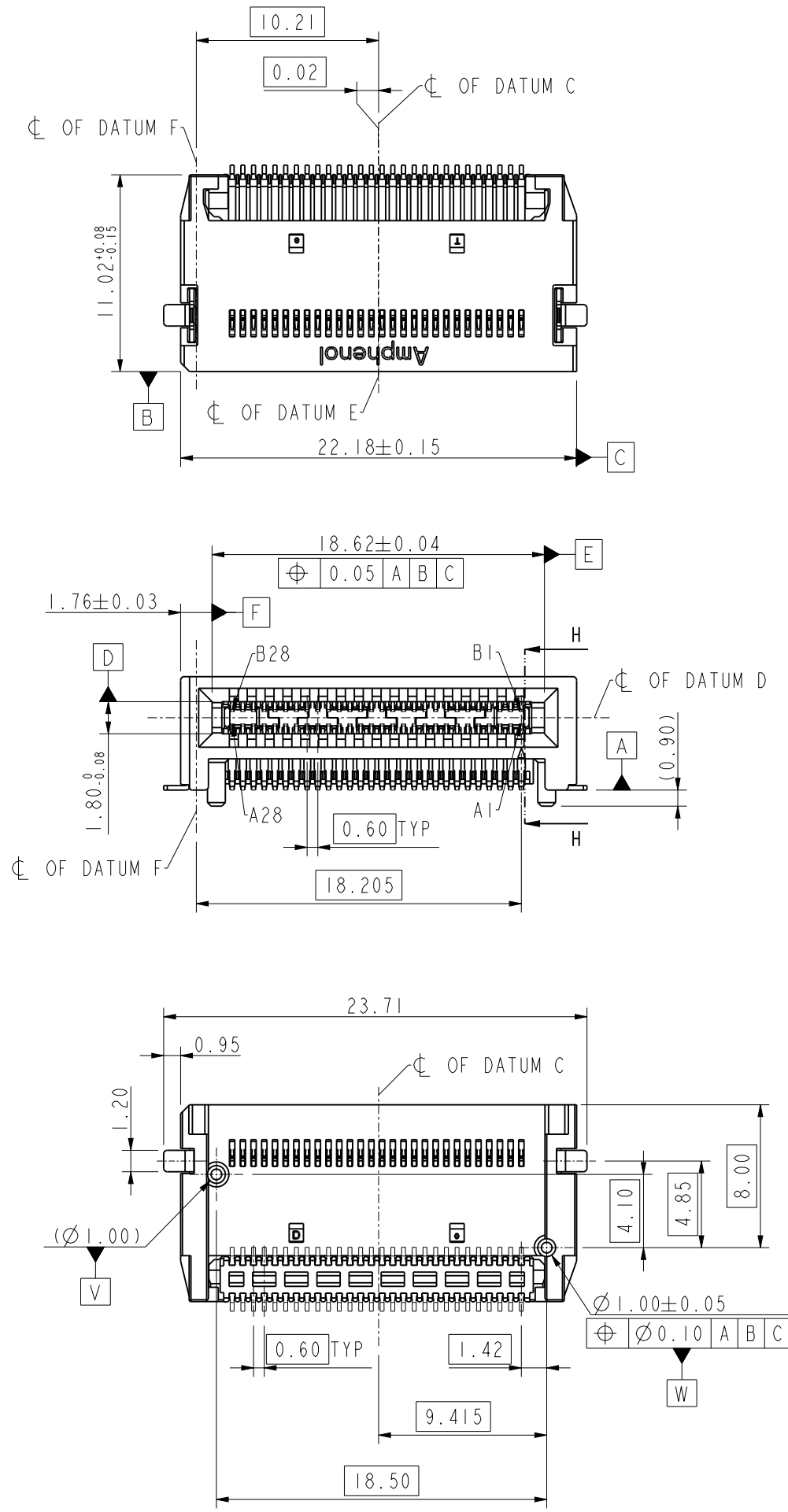




- NOTE:
- MATERIAL:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC BLACK UL94-V0.
CONTACT: COPPER ALLOY
BOARD LOCK: COPPER ALLOY
 - PLATING:
CONTACT: MATING AREA: SEE PART NUMBER TABLE LIST OVER
1.27um MIN NICKEL UNDERPLATED
SOLDER AREA: 1.27um MIN MATT TIN OVER 1.27um MIN NICKEL UNDERPLATED
BOARD LCOK: 1.27um 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: 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 BELOW PART NUMBER TABLE LIST.

MEI005611201045	GXT 0.38um
MEI005611201044	GXT 0.76um
MEI005611201043	GOLD FLASH
MEI005611201042	0.38um Au
MEI005611201041	0.76um Au
PART NUMBER	PLATING
PART NUMBER LIST TABLE	

spec ref		S-ME-004		dr	Rocky	Nov. 09, 2021	Amphenol	mm	scale	size		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rocky	Nov. 09, 2021			ecn no	3:1	A3	
				rvwr	Ken.Xiang	Nov. 09, 2021		amphenol-icc.com			rel level	
				appr	Ly.Yi	Nov. 09, 2021						
surface	linear	0.X	± 0.25	projection		title	MINI COOL EDGE CONNECTOR	dwg no	C MEI00561120104X		rev	
		0.XX	± 0.20									
		0.XXX	± 0.15					R/A H4.05, PCIe Gen 5, 56P, SMT, TOP	cat. no.		B	
	angular	0°	± 5°	product family				sheet 1 of 4				

Amphenol

MINI COOL EDGE CONNECTOR

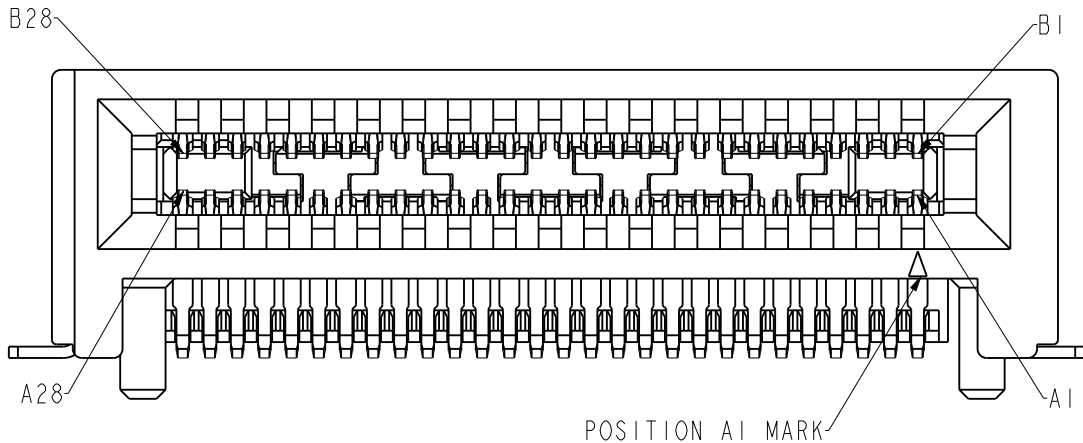
R/A H4.05, PCIe Gen 5, 56P, SMT, TOP

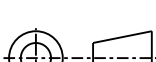
C MEI00561120104X

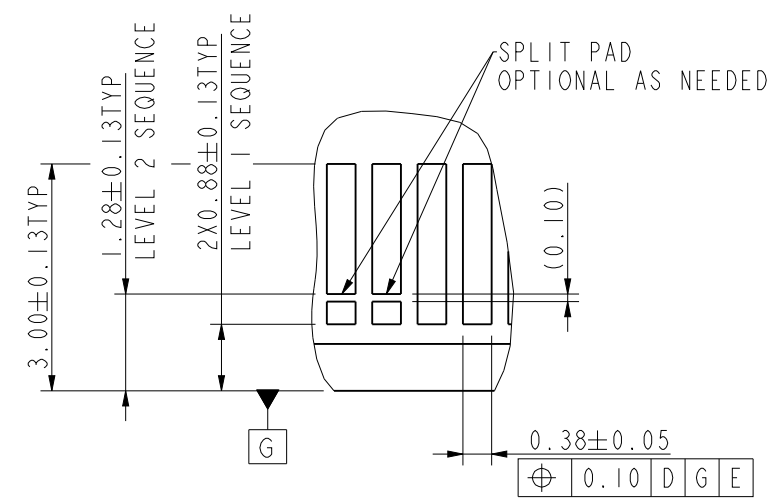
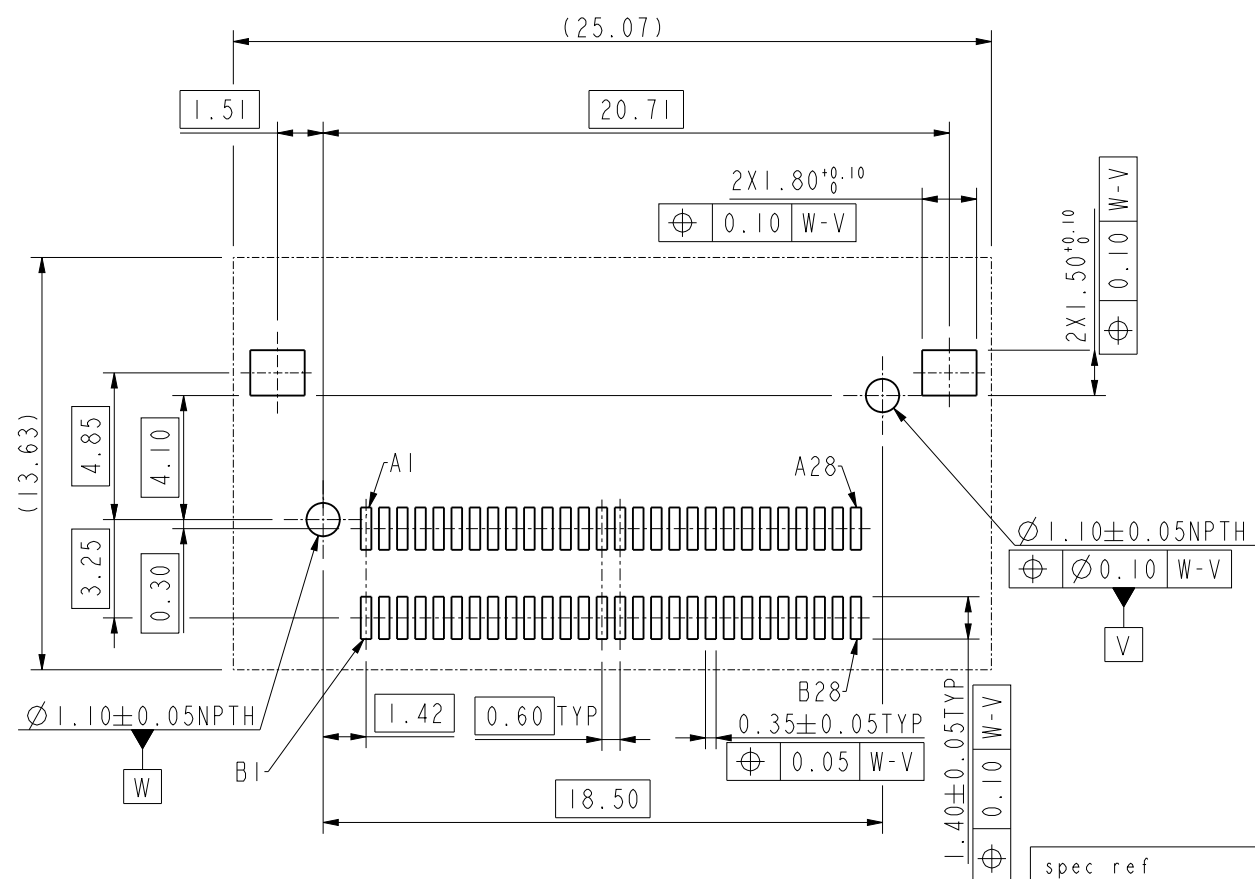
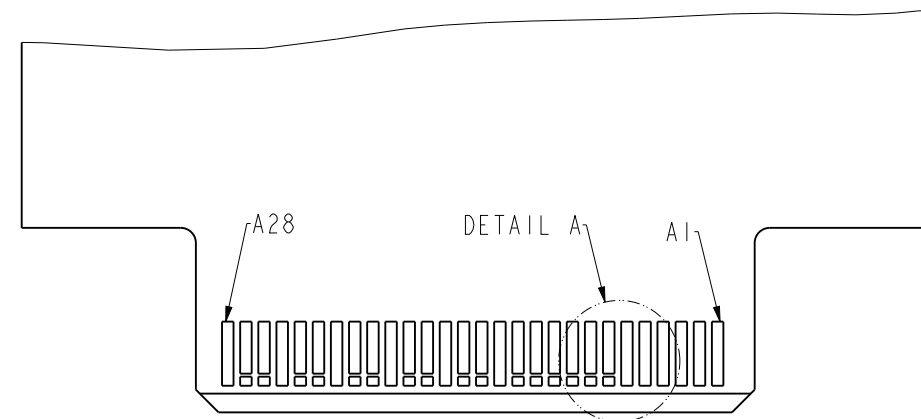
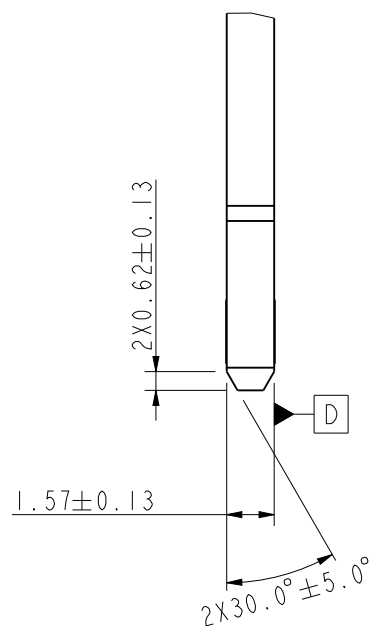
B

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

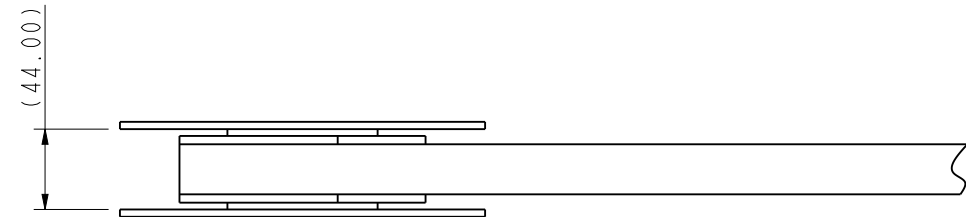


spec ref		S-ME-004		dr	Rocky	Nov. 09, 2021	Amphenol			scale	3:1	size	A3	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rocky	Nov. 09, 2021				ecn no	rel level			
				rvwr	Ken.Xiang	Nov. 09, 2021								
				appr	Ly.Yi	Nov. 09, 2021			amphenol-icc.com					
surface		linear	0.X	± 0.25		title	MINI COOL EDGE CONNECTOR		dwg no	C ME100561120104X		rev	B	
			0.XX	± 0.20										cat. no.
			0.XXX	± 0.15										
		angular	0°	± 5°					R/A H4.05, PCIe Gen 5, 56P, SMT, TOP					
	product family								sheet 2 of 4					



DETAIL A
SCALE 10:1

spec ref		S-ME-004			dr	Rocky	Nov.09,2021	Amphenol		mm	scale	size
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rocky	Nov.09,2021	3:1				A3	
				rvwr	Ken.Xiang	Nov.09,2021	ecn no					
				appr	Ly.Yi	Nov.09,2021	amphenol-icc.com			rel level		
surface	linear	0.X	± 0.25	projection		title	MINI COOL EDGE CONNECTOR		dwg no	C ME100561120104X		rev
		0.XX	± 0.20									
		0.XXX	± 0.15									
	angular	0°	± 5°	product family							sheet 3 of 4	



CUSTOMER'S FEEDING DIRECTION

COVER TAPE

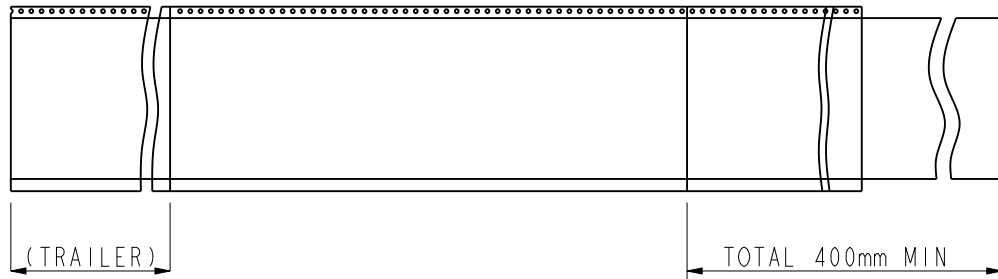
($\varnothing$ 330.00)
($\varnothing$ 13.00)

CARRIER TAPE

PACKING DIRECTION

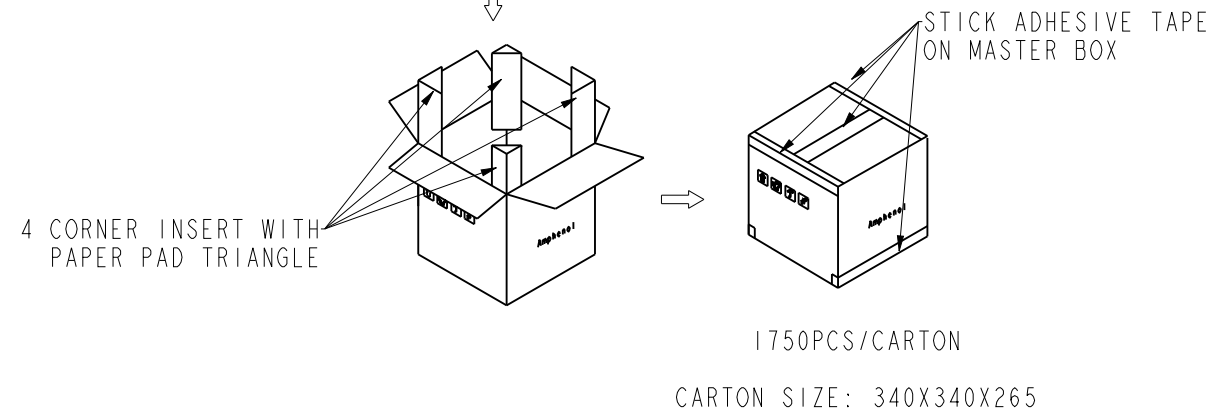
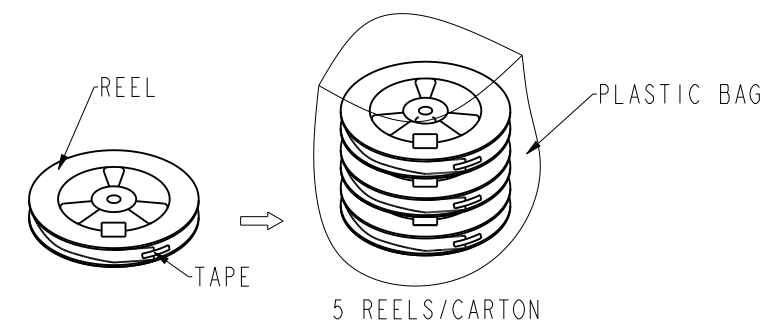
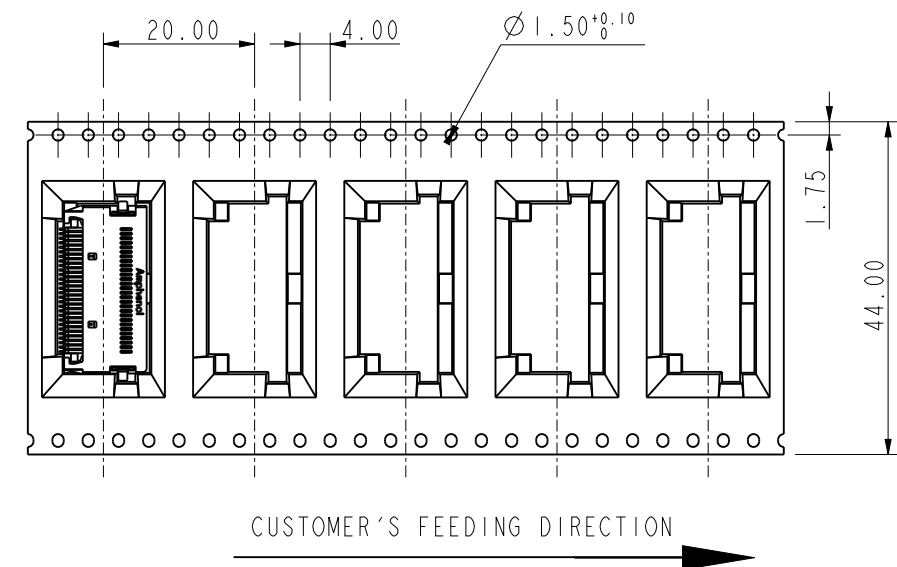
350 PCS CONTAINED INSIDE POCKETS

(LEADER)
EMPTY COMPONENTS SEALED
WITH TOP COVER, 100mm MIN



(TRAILER)
EMPTY COMPONENTS SEALED
WITH TOP COVER, 160mm MIN

TOTAL 400mm MIN



spec ref		S-ME-004		dr	Rocky	Nov.09,2021	Amphenol		mm	scale	3:1	size	A3
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Rocky	Nov.09,2021				ecn no			
				rvwr	Ken.Xiang	Nov.09,2021							
				appr	Ly.Yi	Nov.09,2021			amphenol-icc.com		rel level		
surface	linear	0.X	± 0.25	projection	MINI COOL EDGE CONNECTOR	title	dwg no	C ME100561120104X		rev			
		0.XX	± 0.20										
		0.XXX	± 0.15										
	angular	0°	± 5°	R/A H4.05,PCIe Gen 5,56P,SMT,TOP							cat. no.		B
				product family						sheet 4 of 4			