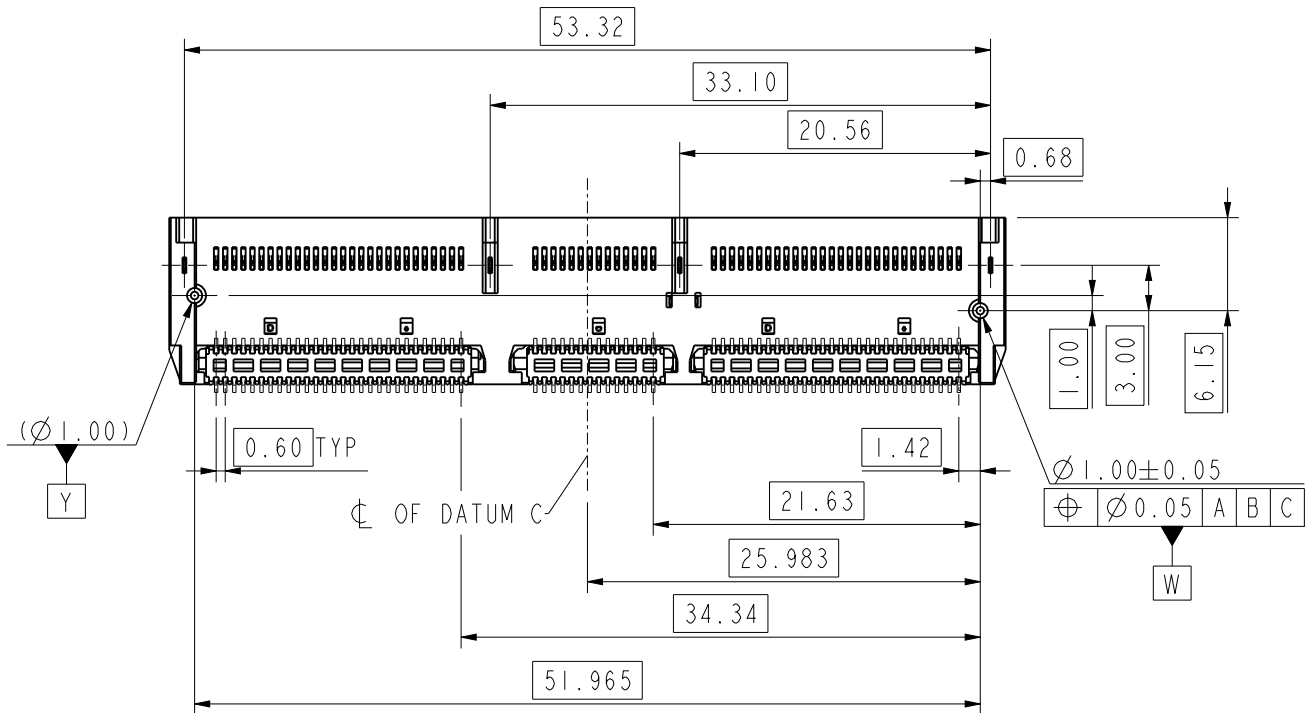
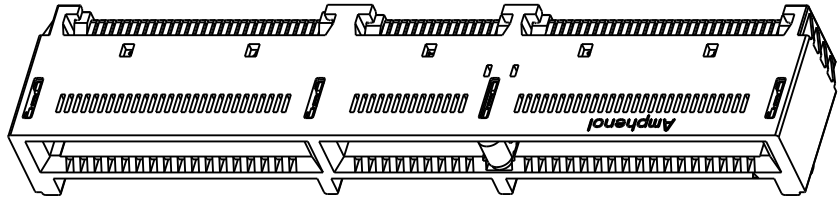
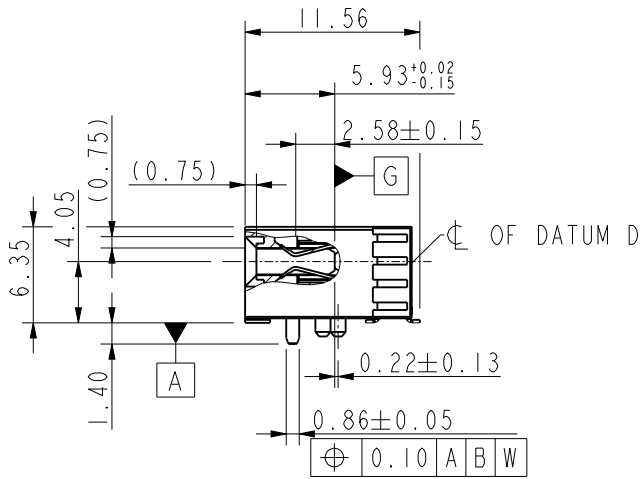
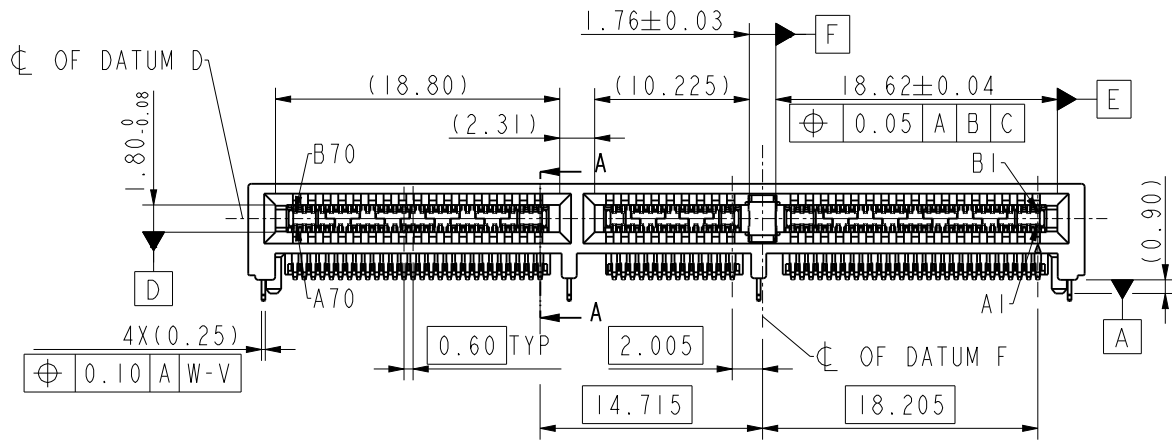
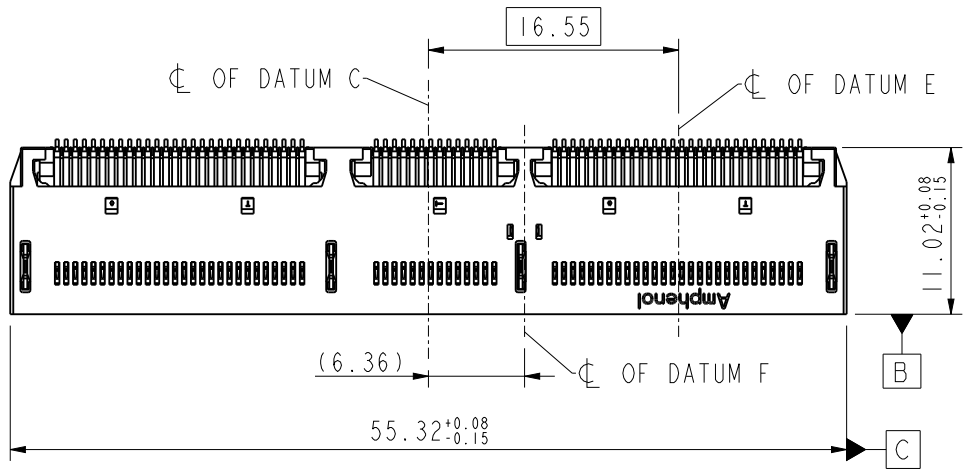


revision history				
rev	ecn no	description	dr	date
A	CD2571	FIRST RELEASE	RH	2021/04/26
B	ELX-CD-43030-1	CHANGE AND ADD PIN ASSIGNMENT	RH	2021/11/24



- 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
 - ELECTRICAL PERFORMANCE:
RATED CURRENT: 1.1A/PIN UP TO 12PINS
LLCR: DELTA 15mΩ MAX
INSULATION RESISTANCE: 1000MΩ MIN.
 - MECHANICAL PERFORMANCE
MATING FORCE: 77N MAX.
UNMATING FORCE: 7N 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 PART NUMBER SEE PART NUMBER TABLE LIST.

ME1014010201045	GXT 0.38um
ME1014010201044	GXT 0.76um
ME1014010201043	GOLD FLASH
ME1014010201042	0.38um Au
ME1014010201041	0.76um Au
PART NUMBER	PLATING SPEC
PART NUMBER LIST TABLE	

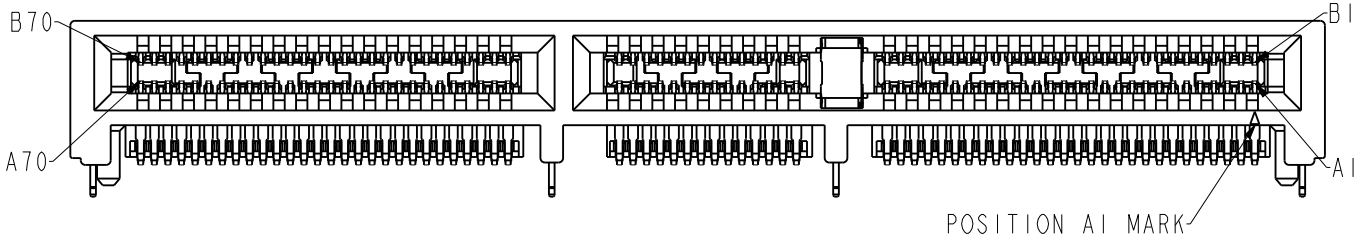
spec ref	S-ME-004			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			
surface	linear	0.X	± 0.25	projection
		0.XX	± 0.20	
		0.XXX	± 0.15	
	angular	0°	± 5°	

dr	Rocky Huang	2021/11/19	Amphenol SS10			mm	scale	size	
eng	Rocky Huang	2021/11/25					2:1	A3	
r vwr	Rocky Huang	2021/11/25							
appr	LY Yi	2021/11/26	amphenol-icc.com			ecn no	ELX-CD-43030-1		
						rel level	Released		
projection		title MINI COOL EDGE CONNECTOR R/A H4.05, 140P, 0.6mm PITCH, GEN 5			dwg no	C ME101401020104X			rev
					cat. no.			B	
product family								sheet 1 of 4	

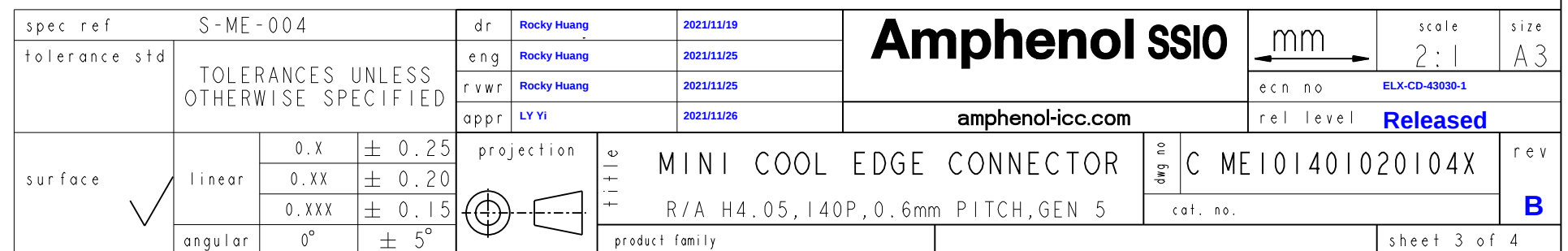
CONNECTOR PIN ASSIGNMENT

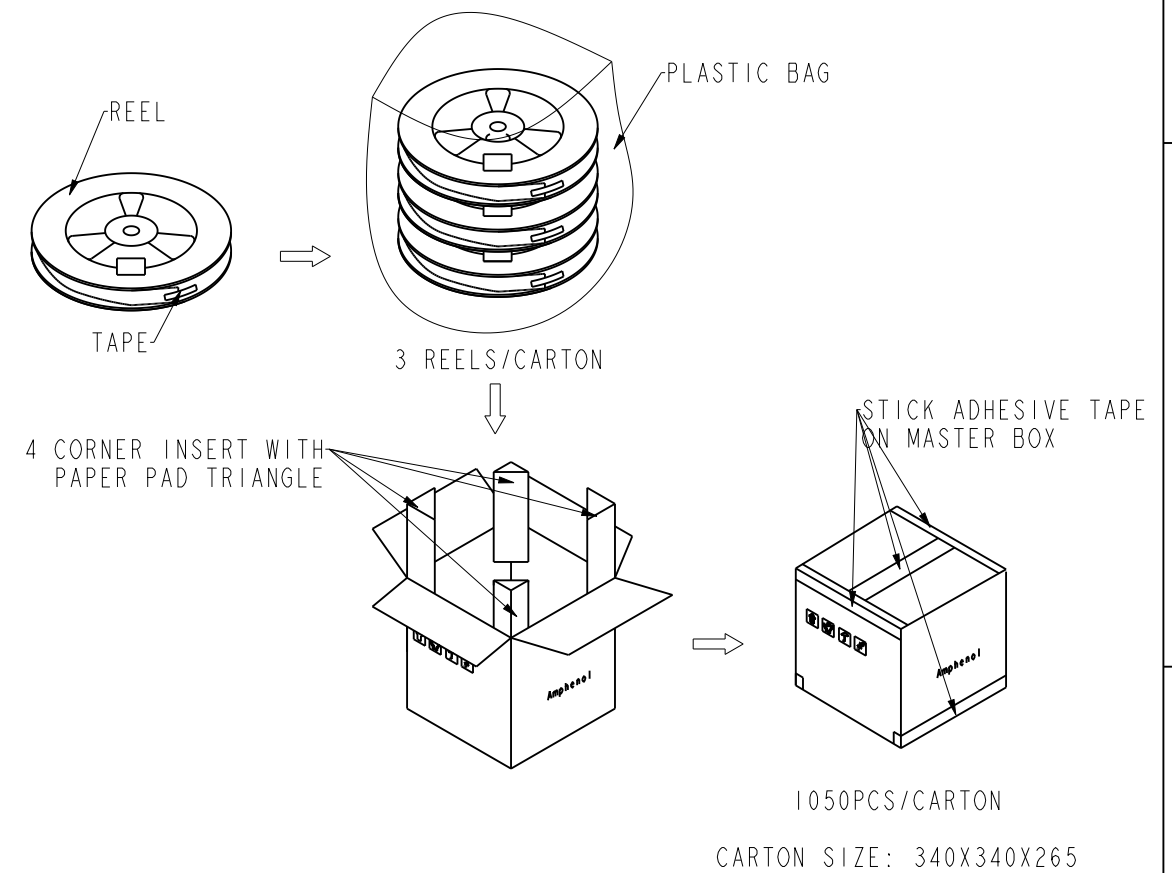
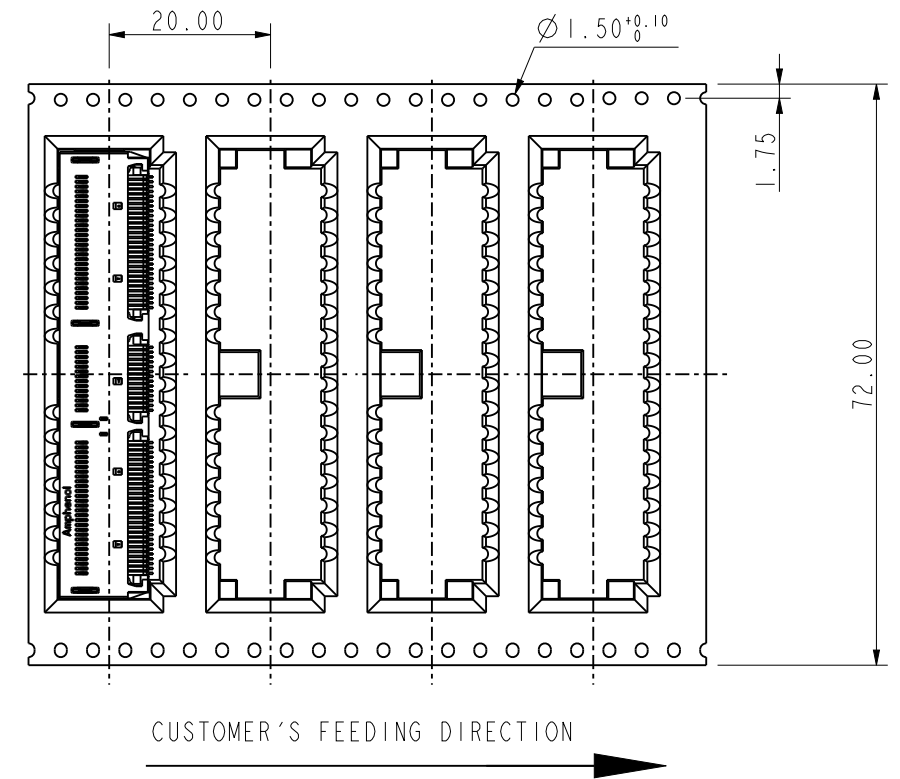
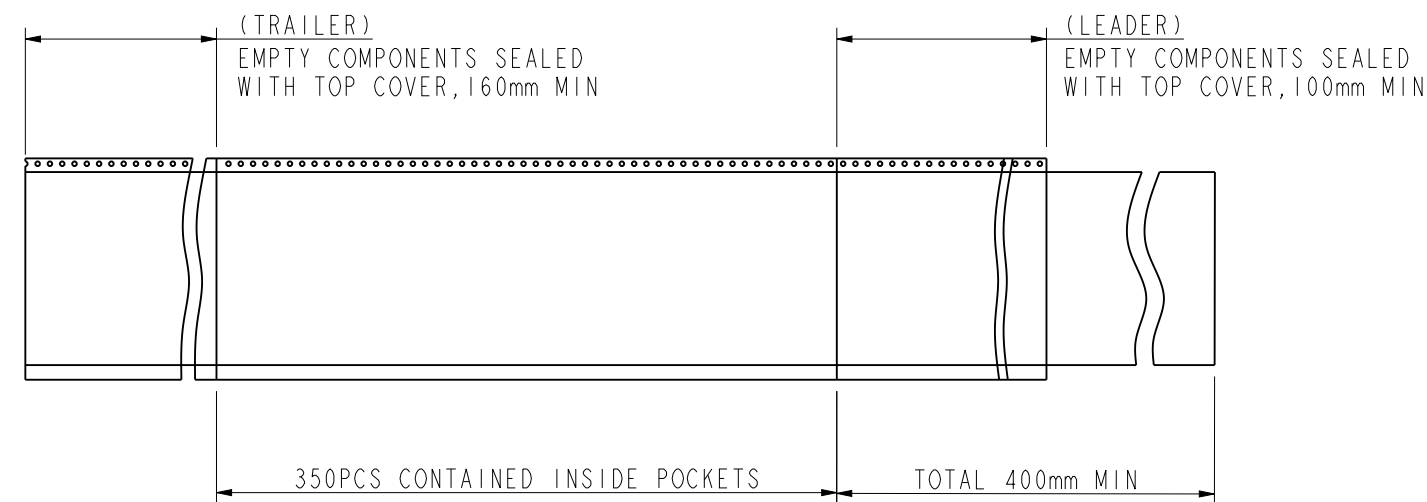
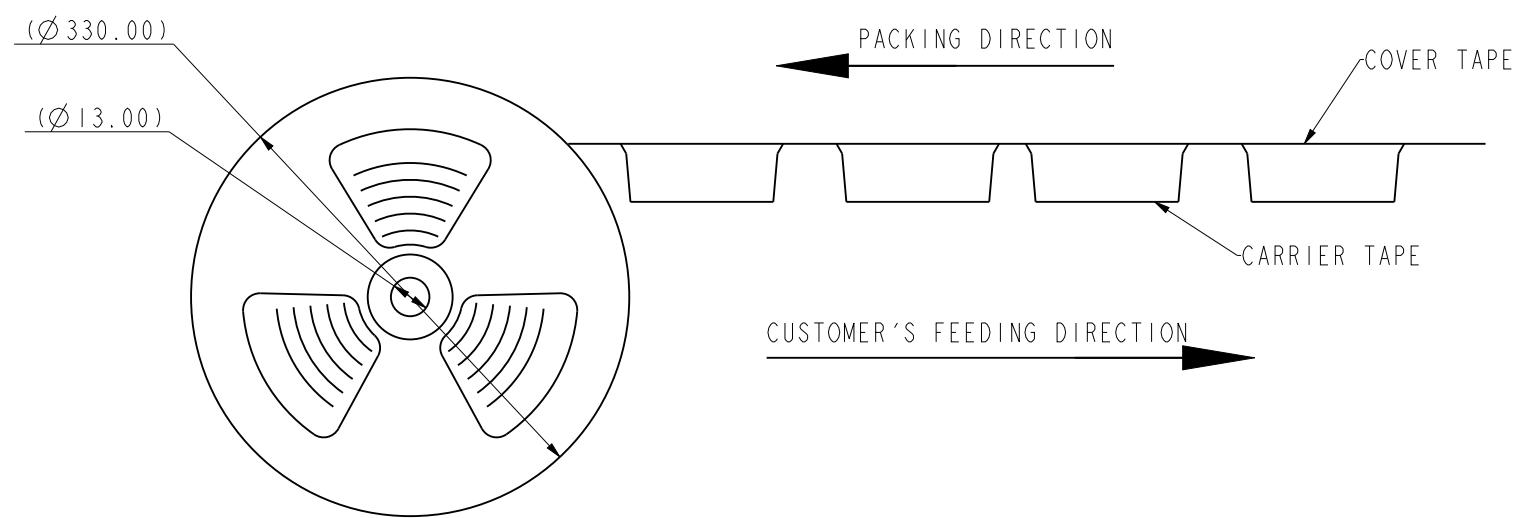
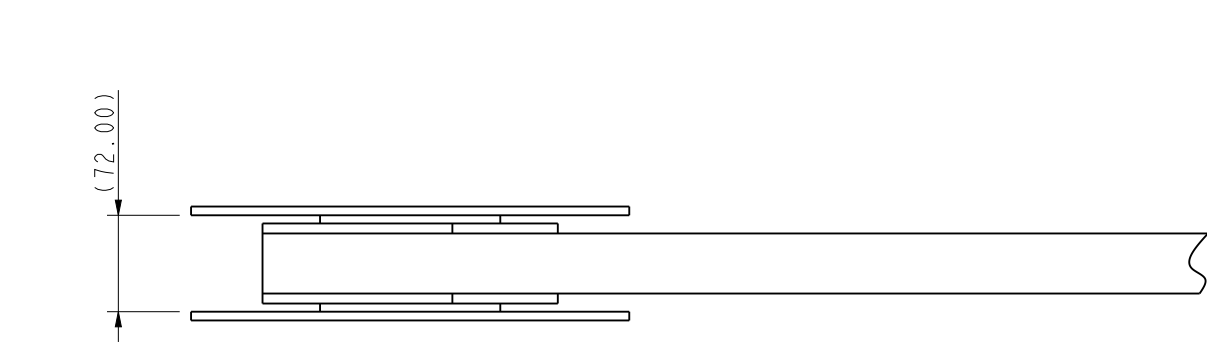
SIDE A			SIDE B	
A1	OPTIONAL		OPTIONAL	B1
A2	OPTIONAL		OPTIONAL	B2
A3	OPTIONAL		OPTIONAL	B3
A4	OPTIONAL		OPTIONAL	B4
A5	OPTIONAL		OPTIONAL	B5
A6	OPTIONAL		OPTIONAL	B6
A7	OPTIONAL		OPTIONAL	B7
A8	OPTIONAL		OPTIONAL	B8
A9	OPTIONAL		OPTIONAL	B9
A10	OPTIONAL		OPTIONAL	B10
A11	OPTIONAL		OPTIONAL	B11
A12	OPTIONAL		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	B29
A30	SIGNAL	●	SIGNAL	B30
A31	SIGNAL	●	SIGNAL	B31
A32	GROUND	●	GROUND	B32
A33	SIGNAL	●	SIGNAL	B33
A34	SIGNAL	●	SIGNAL	B34
A35	GROUND	●	GROUND	B35
A36	SIGNAL	●	SIGNAL	B36
A37	SIGNAL	●	SIGNAL	B37
A38	GROUND	●	GROUND	B38
A39	SIGNAL	●	SIGNAL	B39
A40	SIGNAL	●	SIGNAL	B40
A41	GROUND	●	GROUND	B41
A42	OPTIONAL	●	OPTIONAL	B42

CONTINUED						
SIDE A				SIDE B		
MECHANICAL KEY						
A43	GROUND	●	●	●	GROUND	B43
A44	SIGNAL				SIGNAL	B44
A45	SIGNAL				SIGNAL	B45
A46	GROUND	●	●	●	GROUND	B46
A47	SIGNAL				SIGNAL	B47
A48	SIGNAL				SIGNAL	B48
A49	GROUND	●	●	●	GROUND	B49
A50	SIGNAL				SIGNAL	B50
A51	SIGNAL				SIGNAL	B51
A52	GROUND	●	●	●	GROUND	B52
A53	SIGNAL				SIGNAL	B53
A54	SIGNAL				SIGNAL	B54
A55	GROUND	●	●	●	GROUND	B55
A56	SIGNAL				SIGNAL	B56
A57	SIGNAL				SIGNAL	B57
A58	GROUND	●	●	●	GROUND	B58
A59	SIGNAL				SIGNAL	B59
A60	SIGNAL				SIGNAL	B60
A61	GROUND	●	●	●	GROUND	B61
A62	SIGNAL				SIGNAL	B62
A63	SIGNAL				SIGNAL	B63
A64	GROUND	●	●	●	GROUND	B64
A65	SIGNAL				SIGNAL	B65
A66	SIGNAL				SIGNAL	B66
A67	GROUND	●	●	●	GROUND	B67
A68	OPTIONAL				OPTIONAL	B68
A69	OPTIONAL				OPTIONAL	B69
A70	OPTIONAL				OPTIONAL	B70



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				←		2:1	A3
				r vwr	Rocky Huang	2021/11/25				ecn no		ELX-CD-43030-1	
				appr	LY Yi	2021/11/26				amphenol-icc.com		rel level	
surface		linear 0.X ± 0.25 0.XX ± 0.20 0.XXX ± 0.15 angular 0° ± 5°		projection		title MINI COOL EDGE CONNECTOR R/A H4.05, I40P, 0.6mm PITCH, GEN 5		diag no C ME101401020104X cat. no.		rev		B	
						product family		sheet 2 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					2:1	A3	
					r vwr	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 ME101401020104X		rev
			0.XX	± 0.20										
			0.XXX	± 0.15							R/A H4.05, 140P, 0.6mm PITCH, GEN 5			
		angular	0°	± 5°							product family			