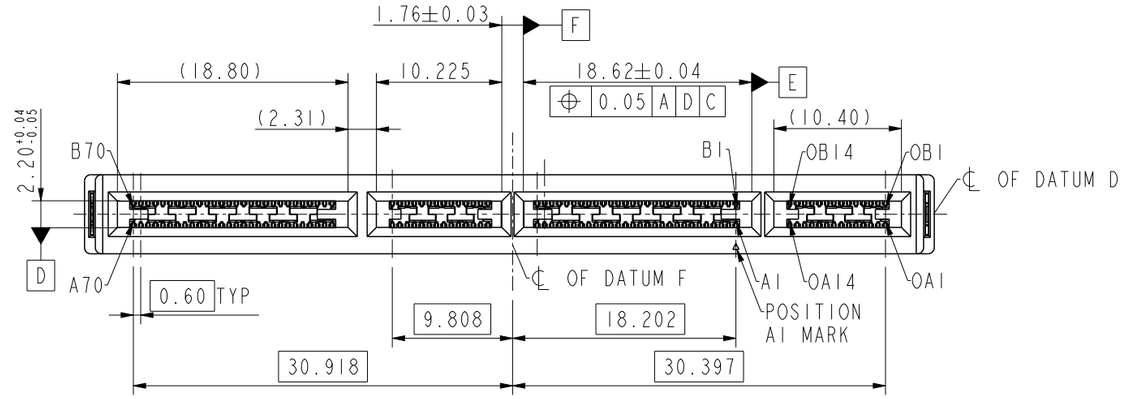
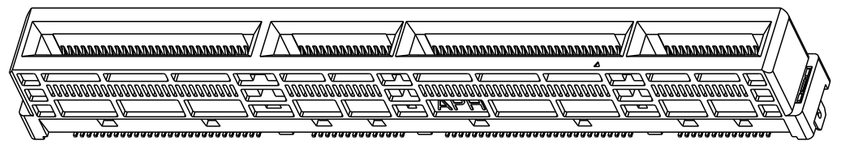
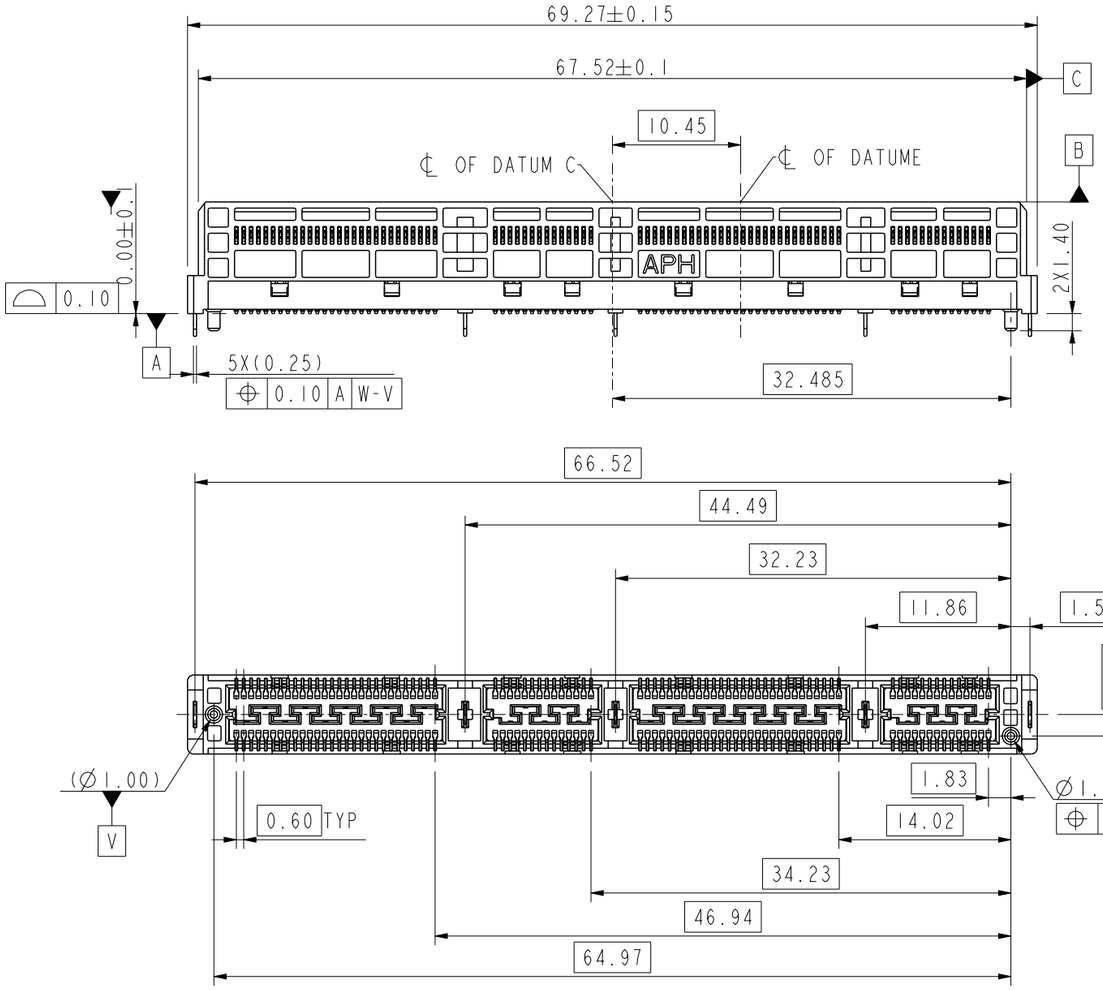
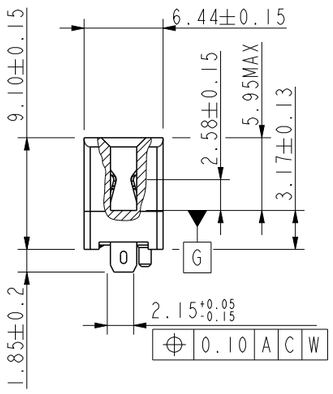
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rev	ecn no	description	dr	date
X1	ELX-CD-FXXXX-1	PROPOSAL DRAWING	RH	2023/04/27
X2	ELX-CD-FXXXX-1	UPDATED BODY COLOR	RH	2023/05/05
A	ELX-CD-F3301-1	OFFICIAL RELEASE	RH	2023/11/14









NOTE:
1. MATERIAL:
   HOUSING: HIGH TEMPERATURE THERMOPLASTIC, COLOR:NATURE, UL94-V0.
   CONTACT: COPPER ALLOY
   BOARD LOCK: COPPER ALLOY
2. PLATING:
   CONTACT: MATING AREA: SEE PART NUMBER LIST TABLE.
   OVER 1.27um MIN NICKEL UNDERPLATED
   SOLDER AREA: 1.27um MIN MATTE TIN OVER 1.27um MIN NICKEL UNDERPLATED
   BOARD LCOK: 1.27um MIN MATTE TIN OVER 1.27um MIN NICKEL UNDERPLATED
3. ELECTRICAL PERFORMANCE:
   RATED CURRENT: 1.1A/PIN UP TO 12PINS
   LLCR: DELTA 15mΩ MAX
   INSULATION RESISTANCE: 1000MΩ MIN.
4. MECHANICAL PERFORMANCE
   MATING FORCE:92.4N MAX.
   UNMATING FORCE:8.4N MIN
   DURABILITY:200CYCLES
5. CONNECTOR PIN ASSIGNMENT REFER TO PAGE 2
6. 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.
7. CONNECTOR IS ROHS COMPLIANT
8. ORDERING PN SEE BELOW PART NUMBER LIST TABLE.

PART NUMBER	PLATING SPEC
ME1016810115015	0.38 GXT
ME1016810115014	0.76 GXT
ME1016810115013	GOLD FLASH
ME1016810115012	0.38um Au
ME1016810115011	0.76um Au
PART NUMBER LIST TABLE	

spec ref	S-ME-004	dr	Rocky Huang	2024/04/11	Amphenol SSIO
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rocky Huang	2024/04/19	mm / scale 2:1 / size A3
		rvwr	Johnny Wang	2024/04/19	ecn no
		appr	LY Yi	2024/04/19	amphenol-icc.com / rel level Released
surface	linear 0.X ± 0.25; 0.XX ± 0.20; 0.XXX ± 0.15; angular 0° ± 5°	projection			title: MINI COOL EDGE CONNECTOR V/T,168P,0.6mm PITCH,AIC 1.97mm / dwg no C ME1016810115O1X / rev A / cat. no. / product family / sheet 1 of 4

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Creo File:APH-SSIO-A3C,REV B,2021-05-07

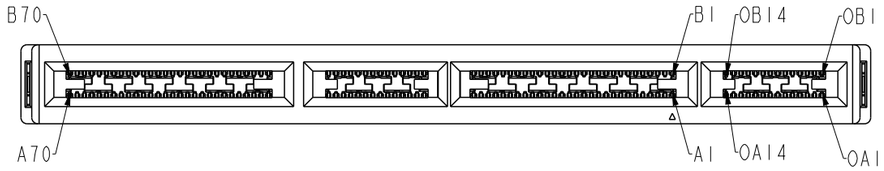
PDS: Rev :A STATUS:Released Printed: Apr 19, 2024

Amphenol SSIO

CONNECTOR PIN ASSIGNMENT 6

SIDE A			SIDE B	
OA1	GROUND		GROUND	OB1
OA2	SIGNAL		SIGNAL	OB2
OA3	SIGNAL		SIGNAL	OB3
OA4	GROUND		GROUND	OB4
OA5	SIGNAL		SIGNAL	OB5
OA6	SIGNAL		SIGNAL	OB6
OA7	GROUND		GROUND	OB7
OA8	SIGNAL		SIGNAL	OB8
OA9	SIGNAL		SIGNAL	OB9
OA10	GROUND		GROUND	OB10
OA11	SIGNAL		SIGNAL	OB11
OA12	SIGNAL		SIGNAL	OB12
OA13	GROUND		GROUND	OB13
OA14	SIGNAL		SIGNAL	OB14
MECHANICAL KEY				
A1	GROUND		GROUND	B1
A2	SIGNAL		SIGNAL	B2
A3	SIGNAL		SIGNAL	B3
A4	GROUND		GROUND	B4
A5	SIGNAL		SIGNAL	B5
A6	SIGNAL		SIGNAL	B6
A7	GROUND		GROUND	B7
A8	SIGNAL		SIGNAL	B8
A9	SIGNAL		SIGNAL	B9
A10	GROUND		GROUND	B10
A11	SIGNAL		SIGNAL	B11
A12	SIGNAL		SIGNAL	B12
A13	GROUND		GROUND	B13
A14	SIGNAL		SIGNAL	B14
A15	SIGNAL		SIGNAL	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				

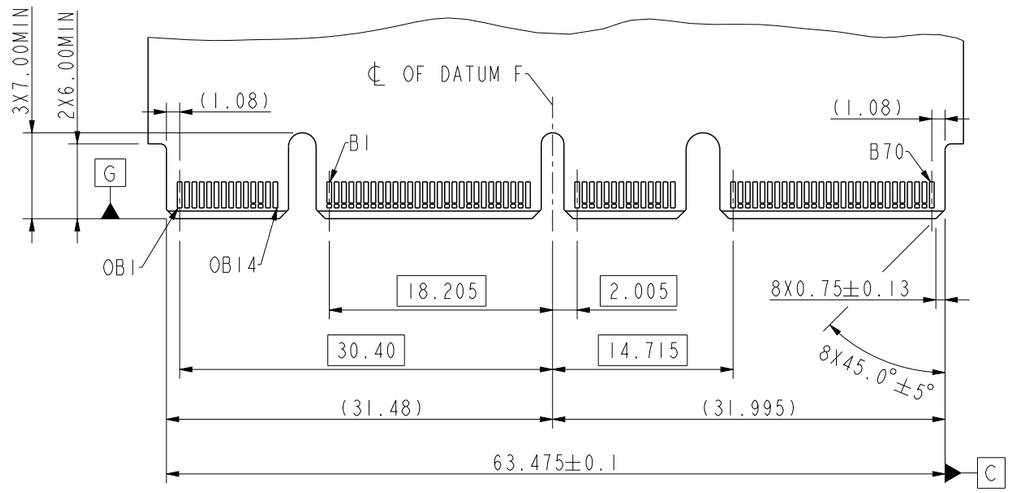
CONTINUED				
SIDE A			SIDE B	
A29	GROUND		GROUND	B29
A30	SIGNAL		SIGNAL	B30
A31	SIGNAL		SIGNAL	B31
A32	GROUND		GROUND	B32
A33	SIGNAL		SIGNAL	B33
A34	SIGNAL		SIGNAL	B34
A35	GROUND		GROUND	B35
A36	SIGNAL		SIGNAL	B36
A37	SIGNAL		SIGNAL	B37
A38	GROUND		GROUND	B38
A39	SIGNAL		SIGNAL	B39
A40	SIGNAL		SIGNAL	B40
A41	GROUND		GROUND	B41
A42	SIGNAL		SIGNAL	B42
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	SIGNAL		SIGNAL	B68
A69	SIGNAL		SIGNAL	B69
A70	GROUND		GROUND	B70

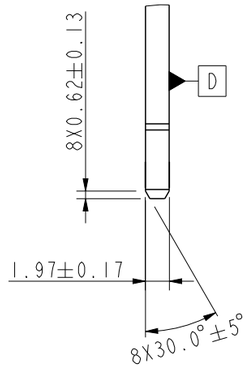


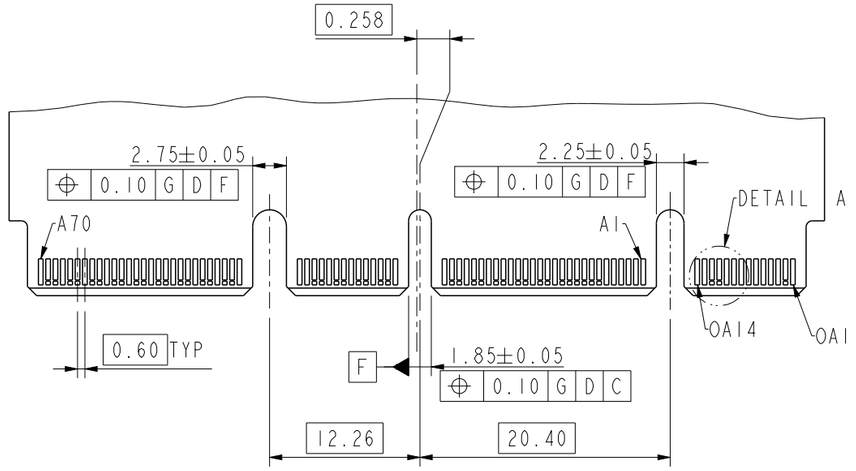
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spec ref	S-ME-004	dr	Rocky Huang	2024/04/11	Amphenol SSIO	mm	scale 2:1 / size A3
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rocky Huang	2024/04/19		ecn no	
		rvwr	Johnny Wang	2024/04/19		rel level	Released
		appr	LY Yi	2024/04/19	amphenol-icc.com		
surface	linear 0.X ± 0.25; 0.XX ± 0.20; 0.XXX ± 0.15; angular 0° ±5°	projection			title: MINI COOL EDGE CONNECTOR V/T,168P,0.6mm PITCH,AIC 1.97mm	dwg no: C ME10168101150IX	rev A
					product family	cat. no.	sheet 2 of 4

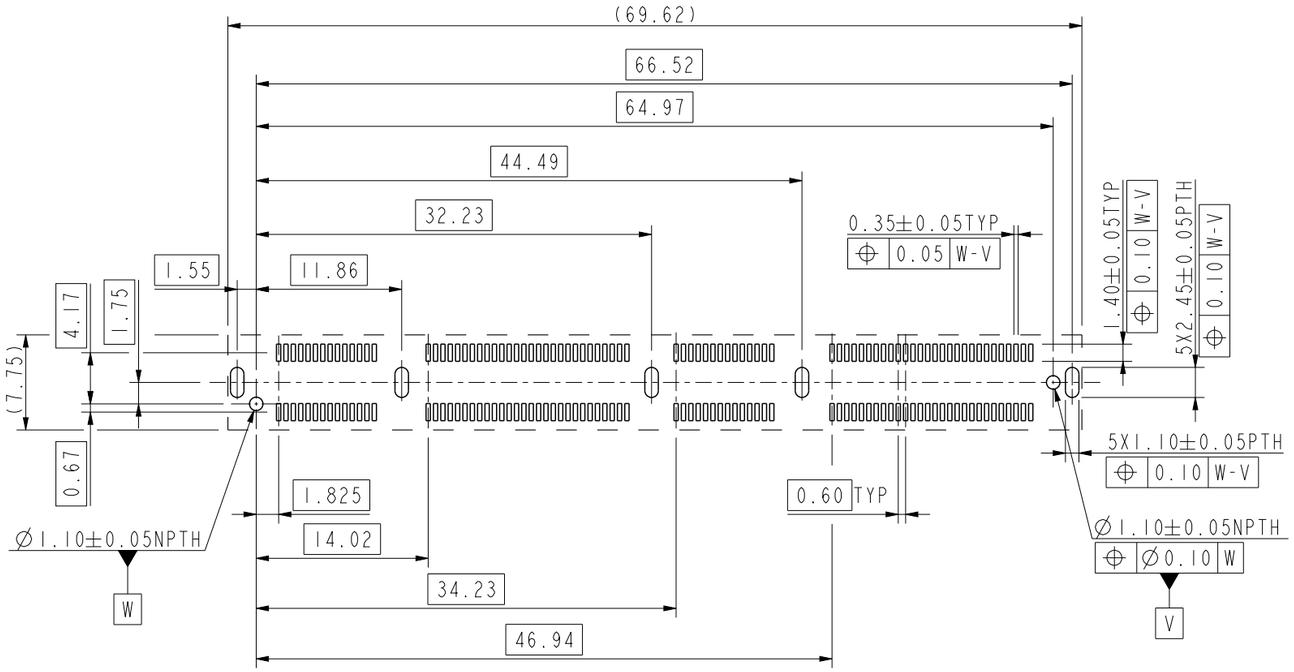
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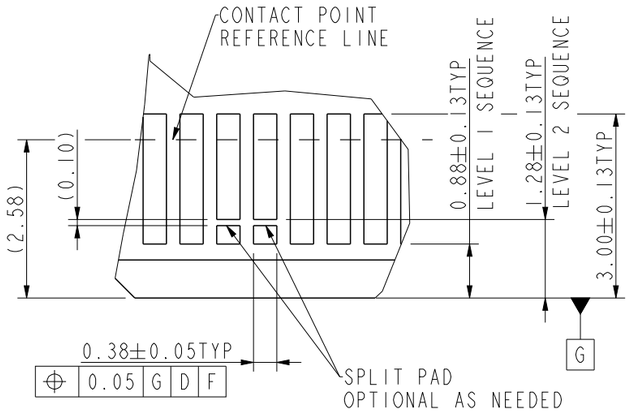




RECOMMENDED AIC CARD



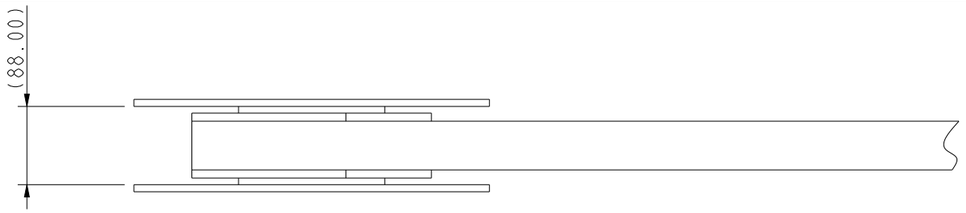
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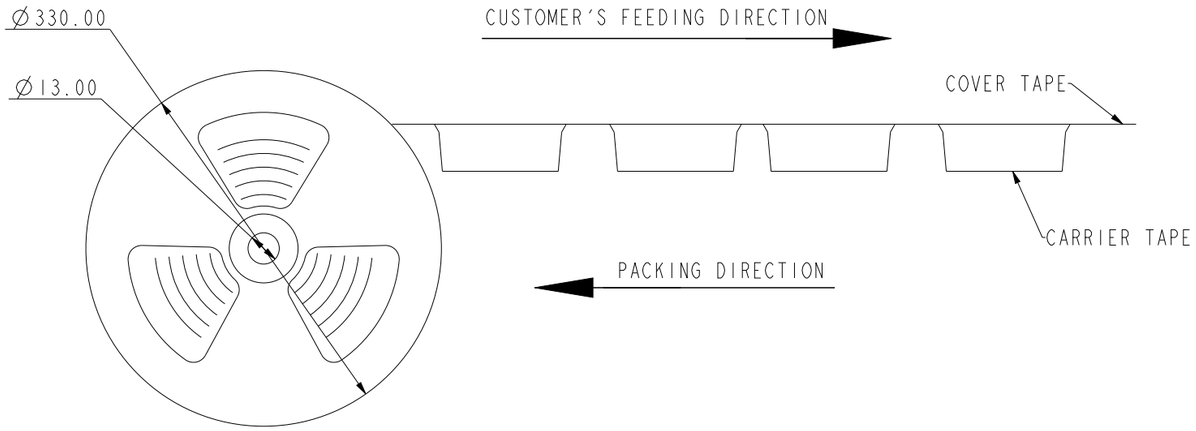


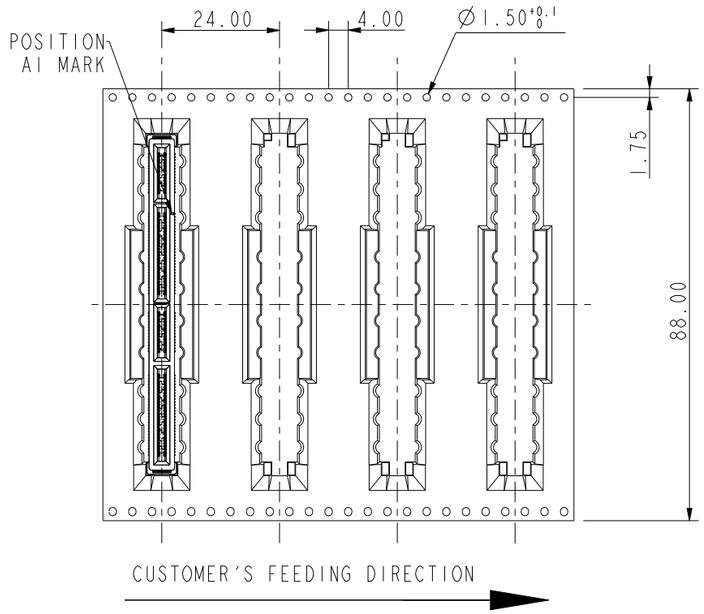
DETAIL A
SCALE 10:1

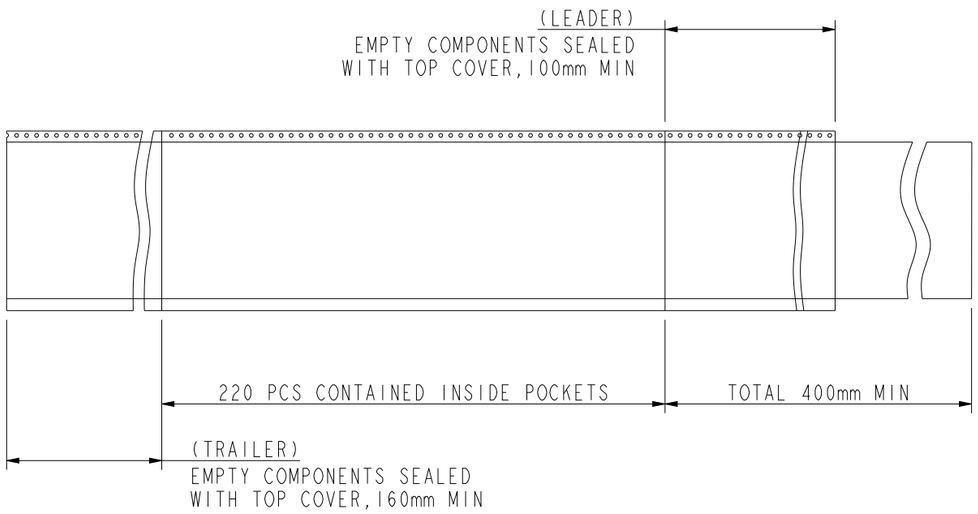
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rocky Huang	2024/04/19	mm / scale 2:1 / size A3
				rvwr	Johnny Wang	2024/04/19	ecn no
				appr	LY Yi	2024/04/19	amphenol-icc.com / rel level Released
surface	linear	0.X	± 0.25	projection			title: MINI COOL EDGE CONNECTOR
		0.XX	± 0.20				V/T,168P,0.6mm PITCH,AIC 1.97mm
		0.XXX	± 0.15				dwg no C ME101681011501X / rev A
	angular	0°	±5 °				cat. no.
							product family / sheet 3 of 4

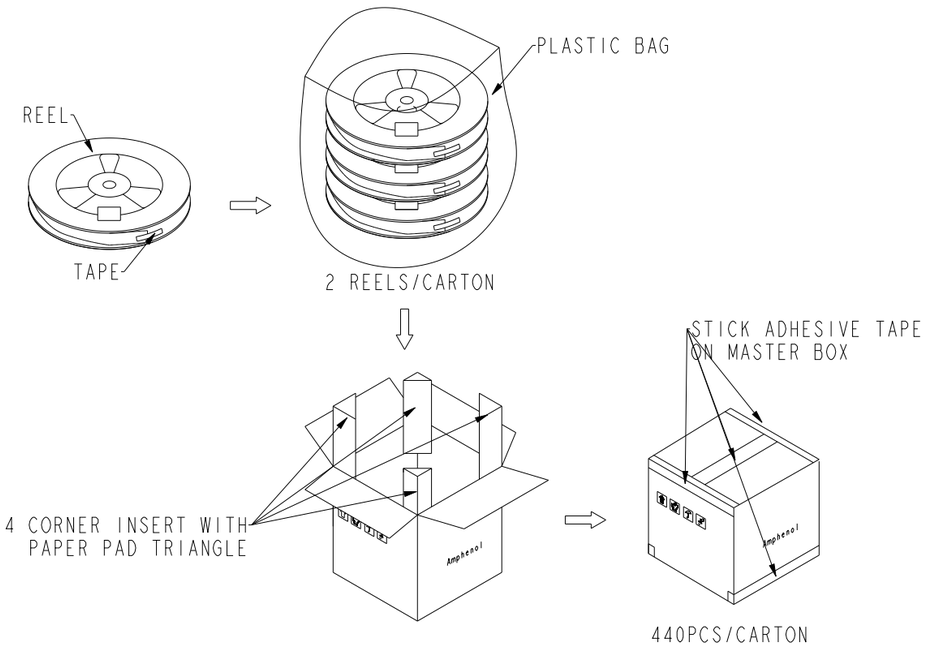
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spec ref	S-ME-004			dr	Rocky Huang	2024/04/11	Amphenol SSIO
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rocky Huang	2024/04/19	mm / scale 2:1 / size A3
				rvwr	Johnny Wang	2024/04/19	ecn no
				appr	LY Yi	2024/04/19	amphenol-icc.com / rel level Released
surface	linear	0.X	± 0.25	projection		title	MINI COOL EDGE CONNECTOR V/T, 168P, 0.6mm PITCH, AIC 1.97mm
		0.XX	± 0.20			dwg no	C ME10168101150IX
		0.XXX	± 0.15			cat. no.	rev A
	angular	0°	± 5°			product family	sheet 4 of 4

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