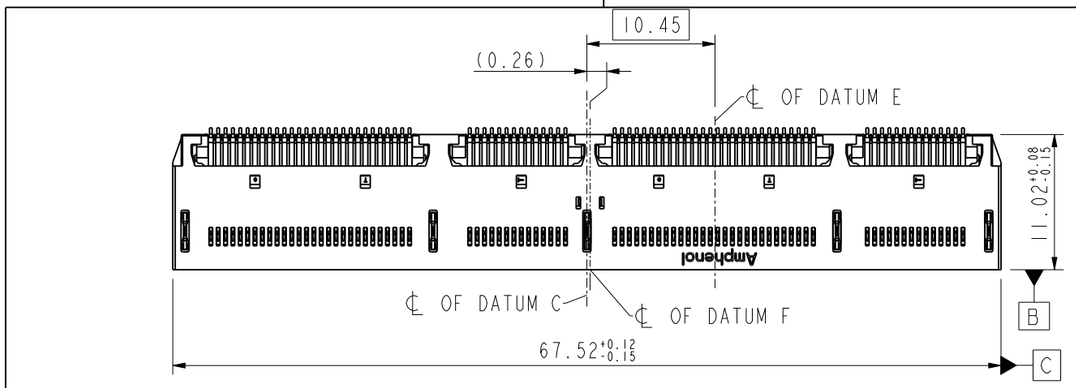
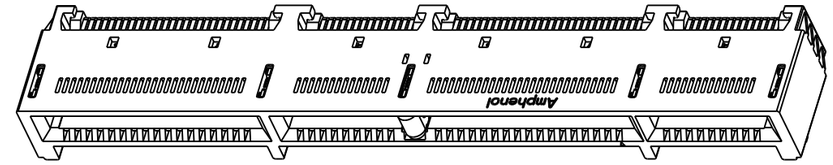
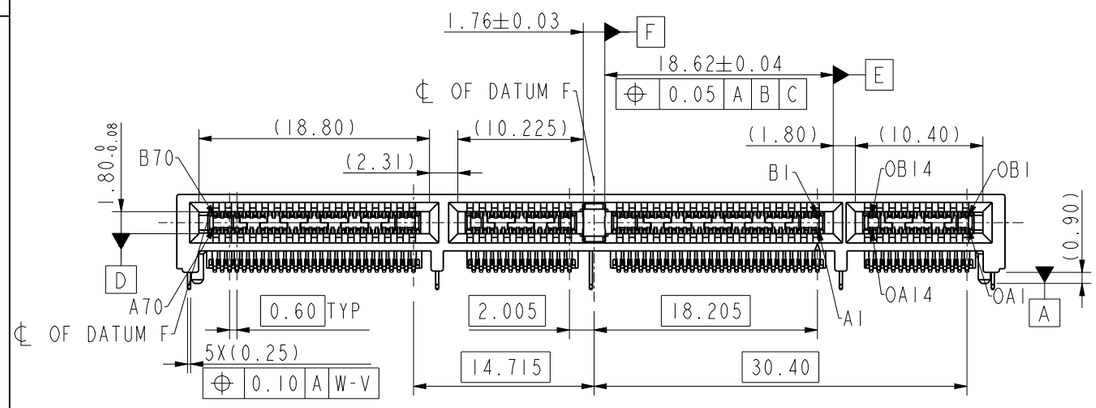
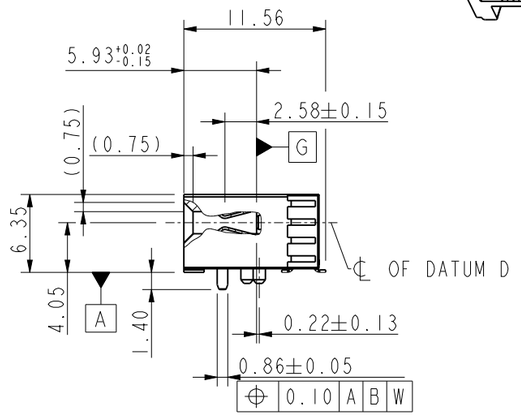
revision history				
rev	ecn no	description	dr	date
A	CD2571	FIRST RELEASE	RH	2021/04/26
B	ELX-CD-43030-1	CHANGE AND ADD PIN ASSIGNMENT	RH	2021/11/09

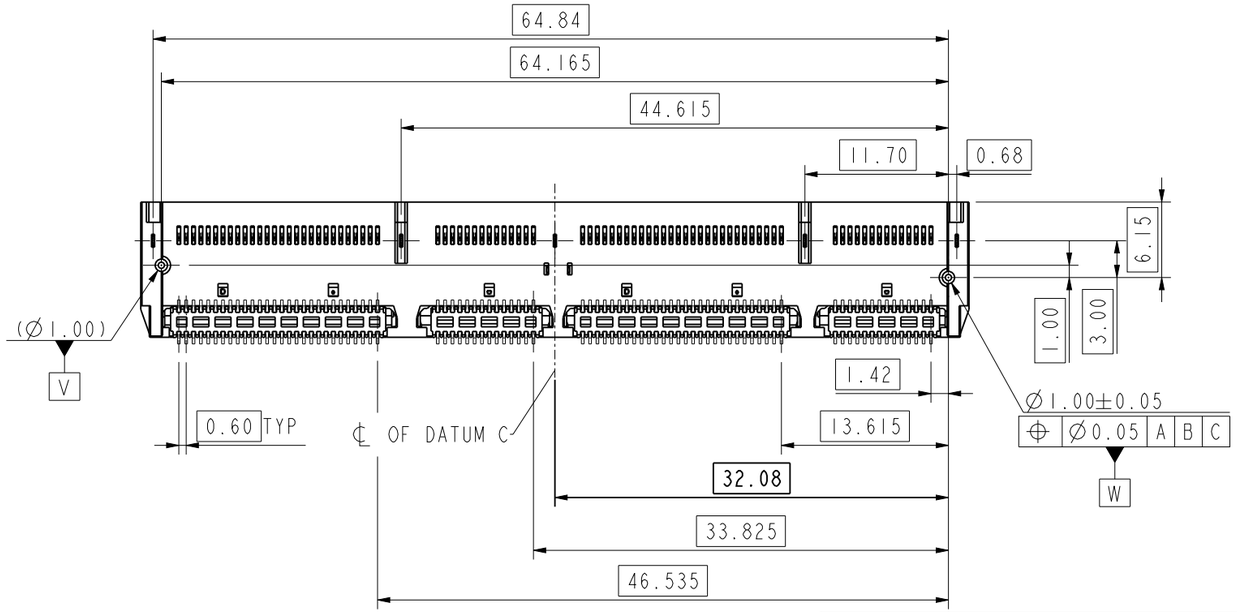








ME1016810201045	GXT 0.38um
ME1016810201044	GXT 0.76um
ME1016810201043	GOLD FLASH
ME1016810201042	0.38um Au
ME1016810201041	0.76um Au
PART NUMBER	PLATING SPEC
PART NUMBER LIST TABLE	



NOTE:
1. MATERIAL:
   HOUSING: HIGH TEMPERATURE THERMOPLASTIC BLACK UL94-V0.
   CONTACT: COPPER ALLOY
   BOARD LOCK: COPPER ALLOY
2. 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
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 PART NUMBER SEE THE PART NUMBER TABLE LIST.

spec ref	S-ME-004			dr	Rocky Huang	2021/11/19	Amphenol SSIO
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rocky Huang	2021/11/25	mm / scale 2:1 / size 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
		0.XX	± 0.15				R/A,H4.05,SMT,PCIe GEN 5
		0.XXX	± 0.05				dwg no C ME1016810201O4X / rev B
	angular	0°	±5 °				cat. no. / product family / sheet 1 of 4

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

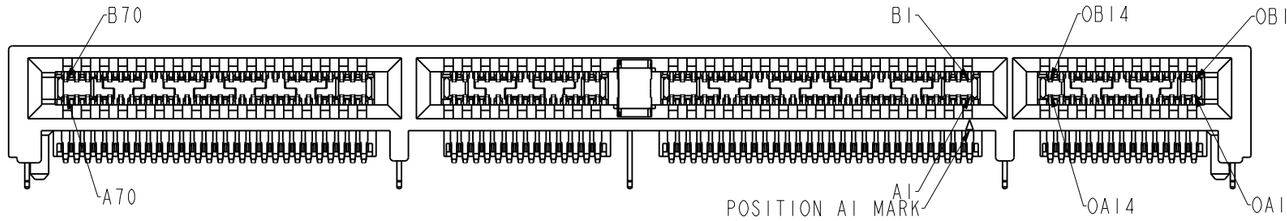
PDS: Rev :B STATUS:Released Printed: Nov 29, 2021

CONNECTOR PIN ASSIGNMENT ⑥

SIDE A			SIDE B	
OA1	OPTIONAL		OPTIONAL	OB1
OA2	OPTIONAL		OPTIONAL	OB2
OA3	OPTIONAL		OPTIONAL	OB3
OA4	OPTIONAL		OPTIONAL	OB4
OA5	OPTIONAL		OPTIONAL	OB5
OA6	OPTIONAL		OPTIONAL	OB6
OA7	OPTIONAL		OPTIONAL	OB7
OA8	OPTIONAL		OPTIONAL	OB8
OA9	OPTIONAL		OPTIONAL	OB9
OA10	OPTIONAL		OPTIONAL	OB10
OA11	OPTIONAL		OPTIONAL	OB11
OA12	OPTIONAL		OPTIONAL	OB12
OA13	OPTIONAL		OPTIONAL	OB13
OA14	OPTIONAL		OPTIONAL	OB14
MECHANICAL KEY				
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				

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	OPTIONAL		OPTIONAL	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	OPTIONAL		OPTIONAL	B68
A69	OPTIONAL		OPTIONAL	B69
A70	OPTIONAL		OPTIONAL	B70



spec ref	S-ME-004				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED				
surface	linear	0.X	± 0.25	projection	
		0.XX	± 0.15		
		0.XXX	± 0.05		
	angular	0°	±5 °		

dr	Rocky Huang	2021/11/19
eng	Rocky Huang	2021/11/25
rvwr	Rocky Huang	2021/11/25
appr	LY Yi	2021/11/26

Amphenol SSIO

amphenol-icc.com

mm | scale 2:1 | size A3

ecn no ELX-CD-43030-1

rel level **Released**

title: MINI COOL EDGE CONNECTOR R/A,H4.05,SMT,PCIe GEN 5

dwg no C ME101681020104X

cat. no.

rev **B**

product family

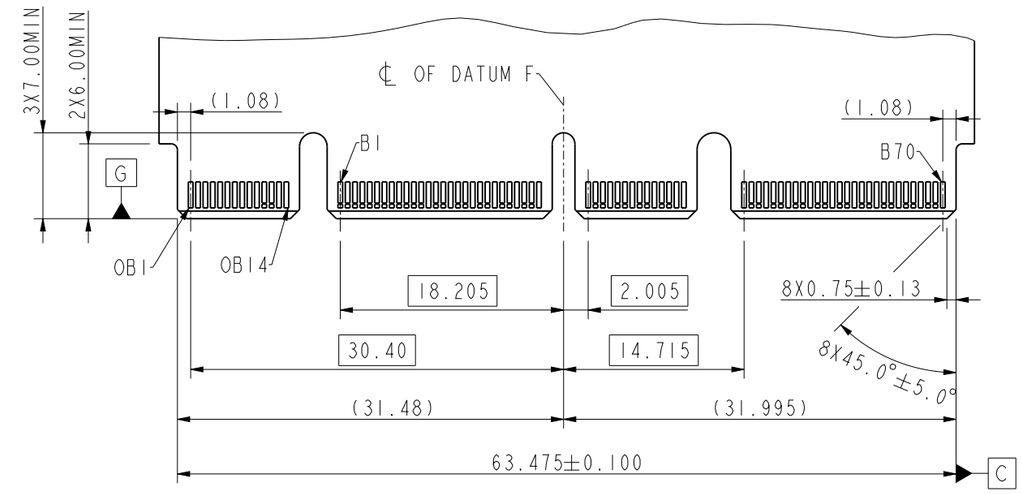
sheet 2 of 4

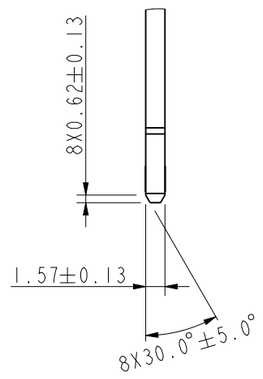
Creo File:APH-SSIO-A3C,REV B,2021-05-07

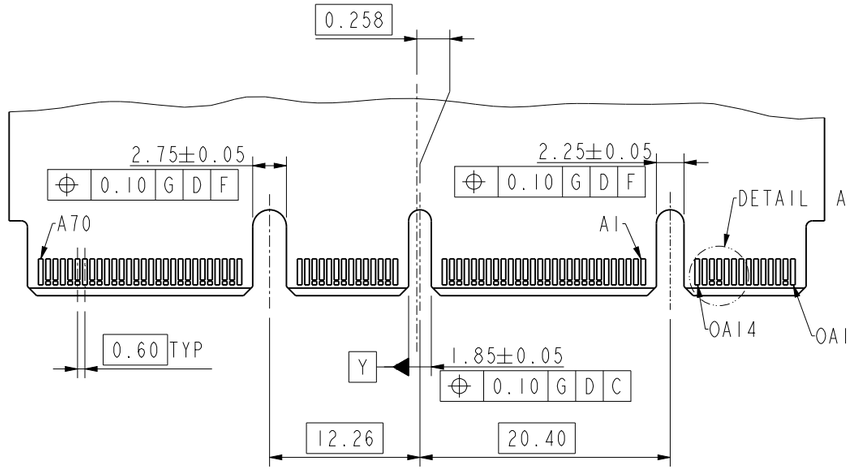
PDS: Rev :B

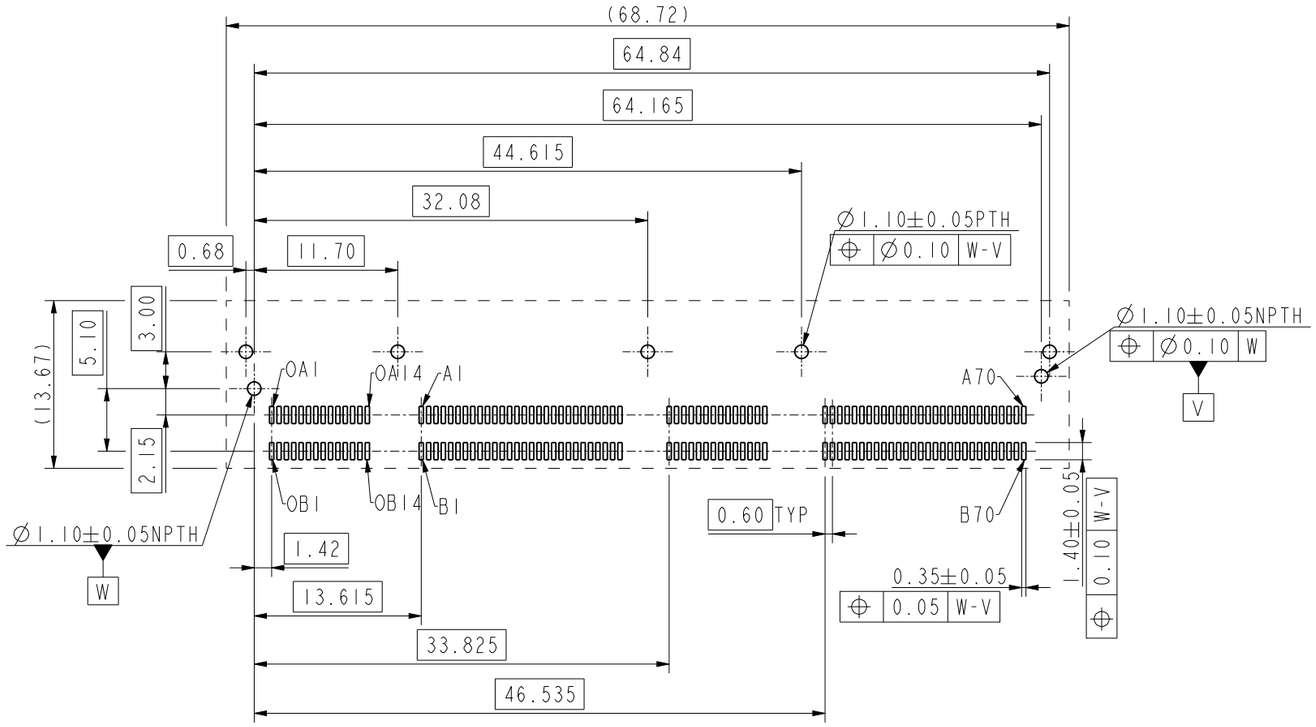
STATUS:Released

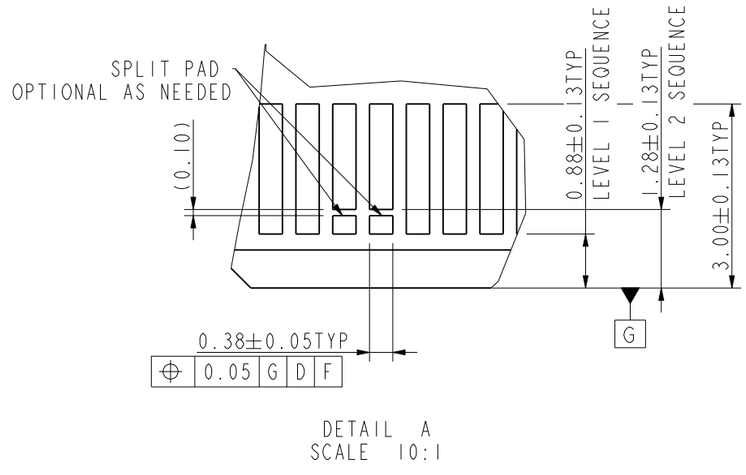
Printed: Nov 29, 2021









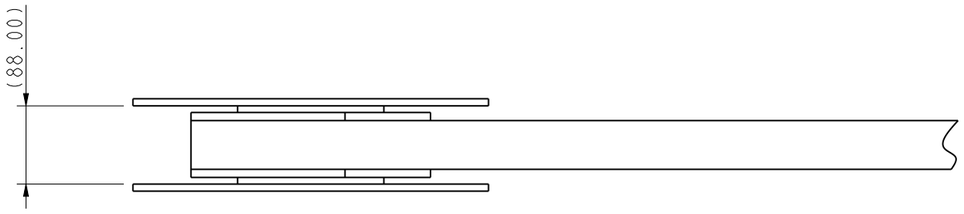


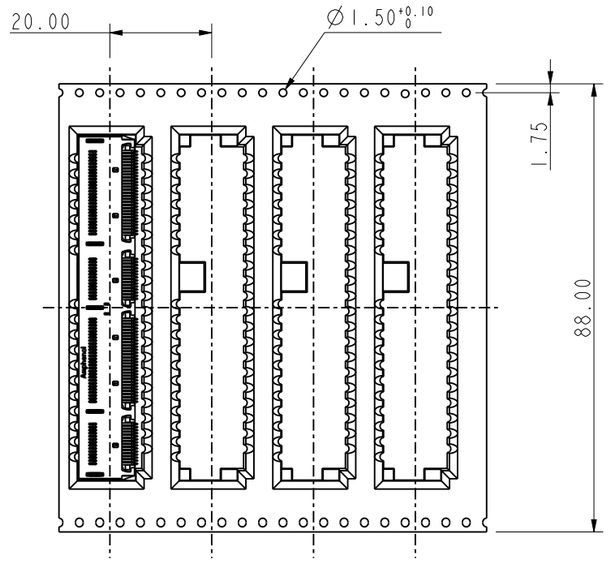
DETAIL A
SCALE 10:1

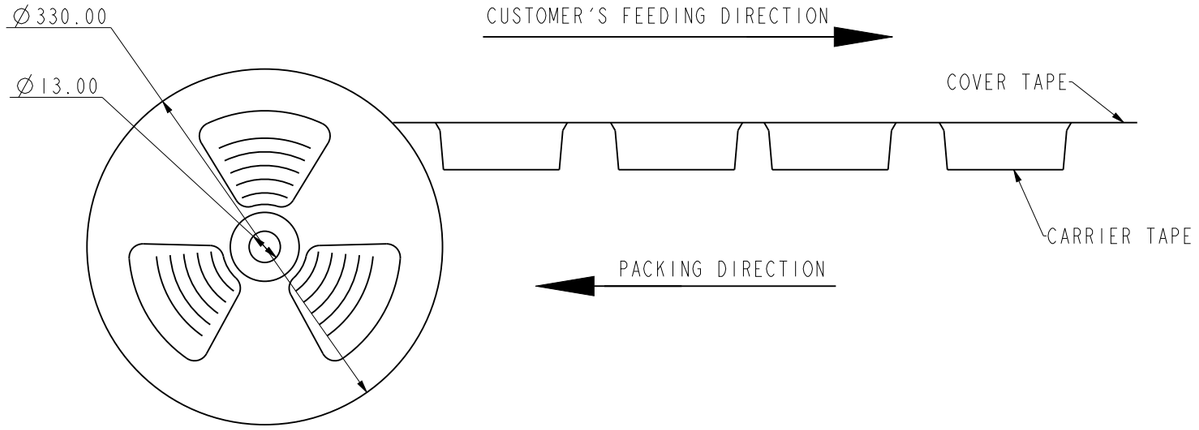
spec ref	S-ME-004	dr	Rocky Huang	2021/11/19	Amphenol SSIO
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rocky Huang	2021/11/25	mm / scale 2:1 / size A3
		rvwr	Rocky Huang	2021/11/25	ecn no ELX-CD-43030-1
		appr	LY Yi	2021/11/26	amphenol-icc.com / rel level Released
surface	linear 0.X ± 0.25; 0.XX ± 0.15; 0.XXX ± 0.05; angular 0° ±5°	projection			title: MINI COOL EDGE CONNECTOR R/A,H4.05,SMT,PCIe GEN 5 / dwg no C ME101681020104X / rev B / cat. no. / product family / sheet 3 of 4

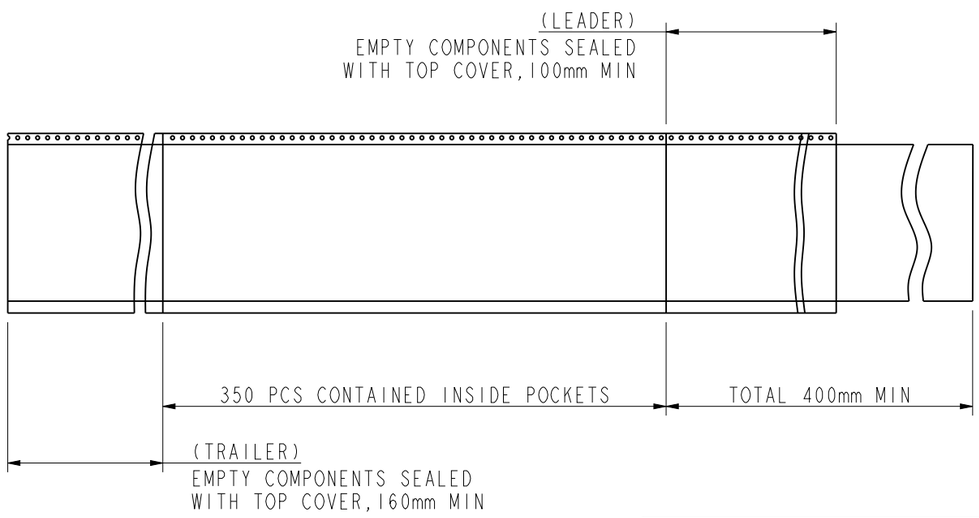
Creo File:APH-SS10-A3C,REV B,2021-05-07

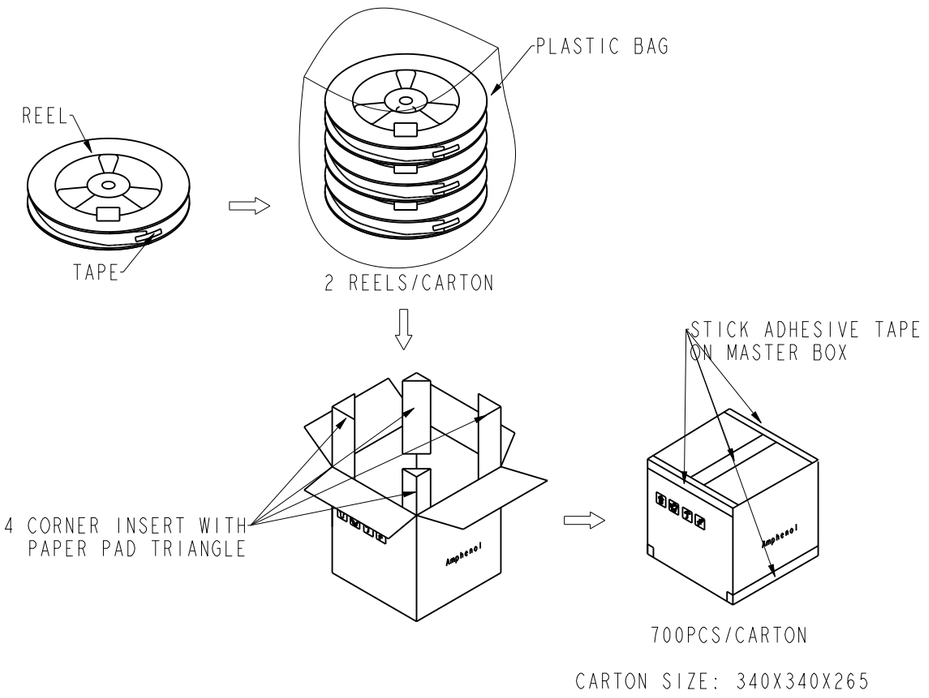
PDS: Rev :B STATUS:Released Printed: Nov 29, 2021











spec ref	S-ME-004		dr	Rocky Huang	2021/11/19	Amphenol SSIO	mm / scale 2:1 / size A3
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Rocky Huang	2021/11/25		ecn no ELX-CD-43030-1
			rvwr	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 ME101681020104X / rev B
		0.XX ± 0.15				R/A,H4.05,SMT,PCIe GEN 5	cat. no.
		0.XXX ± 0.05					
	angular	0° ±5°				product family	sheet 4 of 4

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PDS: Rev :B STATUS:Released Printed: Nov 29, 2021