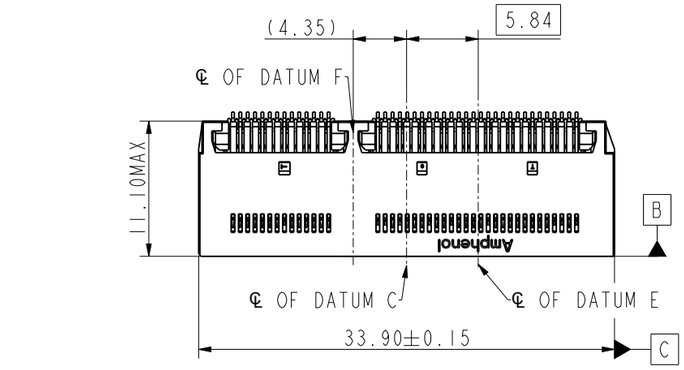
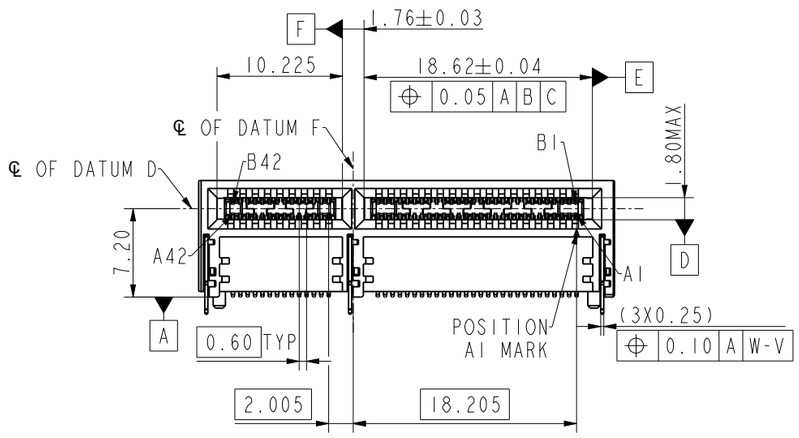
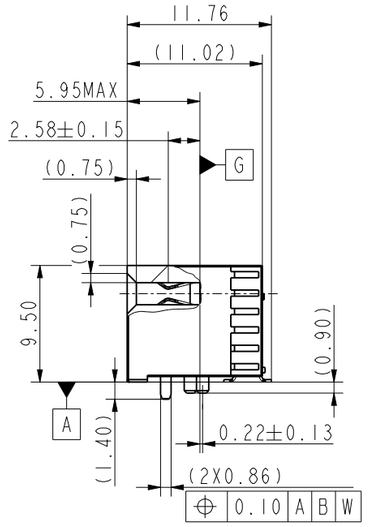
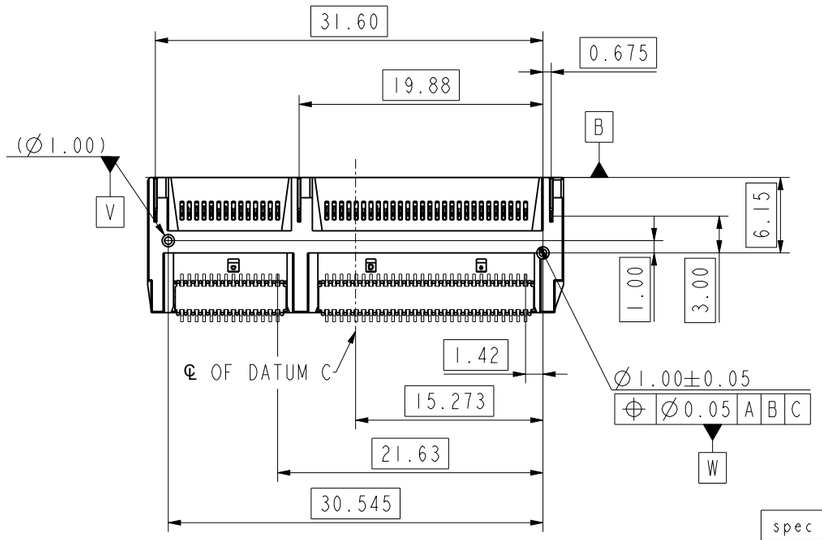
revision history				
rev	ecn no	description	dr	date
X1	xxxxxx	PROPOSAL	JW	2022/08/05









NOTE:
1. MATERIAL:
   HOUSING: HIGH TEMPERATURE THERMOPLASTIC BLACK UL94-V0.
   CONTACT: COPPER ALLOY
   BOARD LOCK: COPPER ALLOY
   METAL SHIELD: 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 LOCK: 1.27um MIN MATTE TIN OVER 1.27um 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:46.2N MAX.
   UNMATING FORCE:4.2N MIN
   DURABILITY:200CYCLES
5. CONNECTOR PIN ASSIGNMENT REFER TO SHEET 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 DIFFERERNTIAL SIGNAL; POSITIONS DESIGNATED AS "OPTIONAL" ARE REQUIRED LOCATIONS FOR POWER OR SIDE BAND.
7. MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC#S-SN-002 AND S-SN-004
8. ORDERING PN SEE BELOW PART NUMBER LIST TABLE.

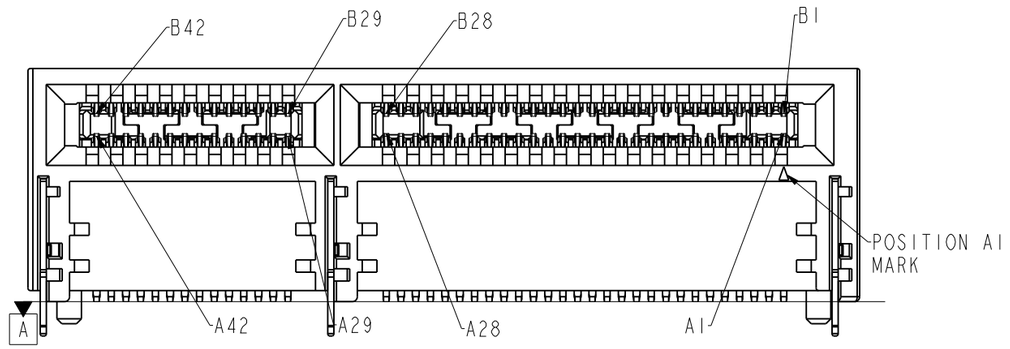
ME1008410202065	0.38GXT
ME1008410202064	0.76GXT
ME1008410202063	GOLD FLASH
ME1008410202062	0.38um Au
ME1008410202061	0.76um Au
PART NUMBER	PLATING SPEC
PART NUMBER LIST TABLE	

spec ref	S-ME-004			dr	Johnny.Wang	Aug.05,2022	Amphenol	mm / scale 2:1 / size A3
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Johnny.Wang	Aug.05,2022	amphenol-icc.com	ecn no XXXXXX
				rvwr				rel level
surface	linear	0.X	±0.50	appr				
		0.XX	±0.25	projection	title: MINI COOL EDGE CONNECTOR		dwg no: C ME1008410202O6X	rev X1
		0.XXX	±0.15		R/A 0.60mm PITCH H7.20mm GEN5		cat. no.	
	angular	0°	±5°		product family			sheet 1 of 4

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

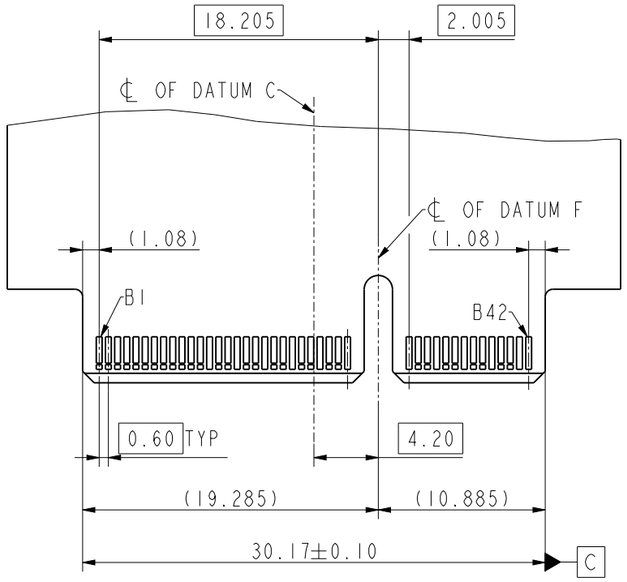
CONNECTOR PIN ASSIGNMENT ⚠6

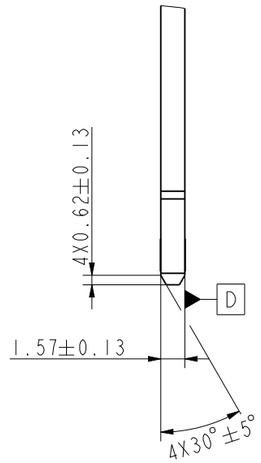
SIDE A			SIDE B	
A1	OPTIONAL		OPTIONAL	B1
A2	OPTIONAL		OPTIONAL	B2
A3	OPTIONAL		OPTIONAL	B3
A4	OPTIONAL		OPTIONAL	B4
A5	OPTIONAL		OPTIONAL	B5
A6	OPTIONAL		OPTIONAL	B6
A7	OPTIONAL		OPTIONAL	B7
A8	OPTIONAL		OPTIONAL	B8
A9	OPTIONAL		OPTIONAL	B9
A10	OPTIONAL		OPTIONAL	B10
A11	OPTIONAL		OPTIONAL	B11
A12	OPTIONAL		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



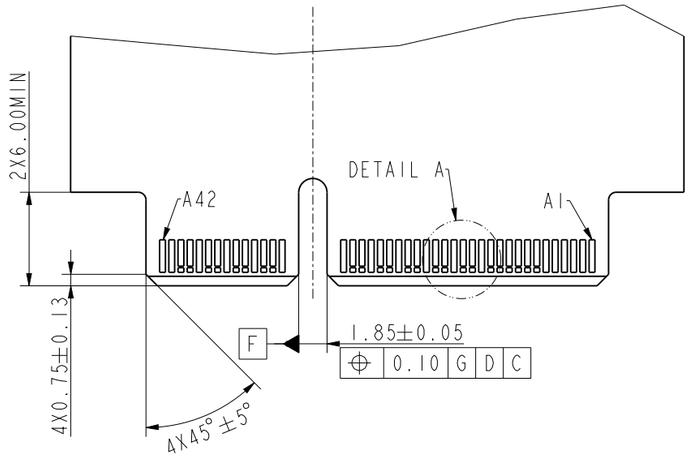
spec ref	S-ME-004	dr	Johnny.Wang	Aug.05,2022	Amphenol	mm	scale 4:1 / size A3
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Johnny.Wang	Aug.05,2022			ecn no
		rvwr					rel level
		appr			amphenol-icc.com		
surface ✓	linear 0.X ±0.50 / 0.XX ±0.25 / 0.XXX ±0.15 / angular 0° ±5°	projection			title: MINI COOL EDGE CONNECTOR R/A 0.60mm PITCH H7.20mm GEN5	dwg no: C ME100841020206X	rev X1
					product family	cat. no.	sheet 2 of 4

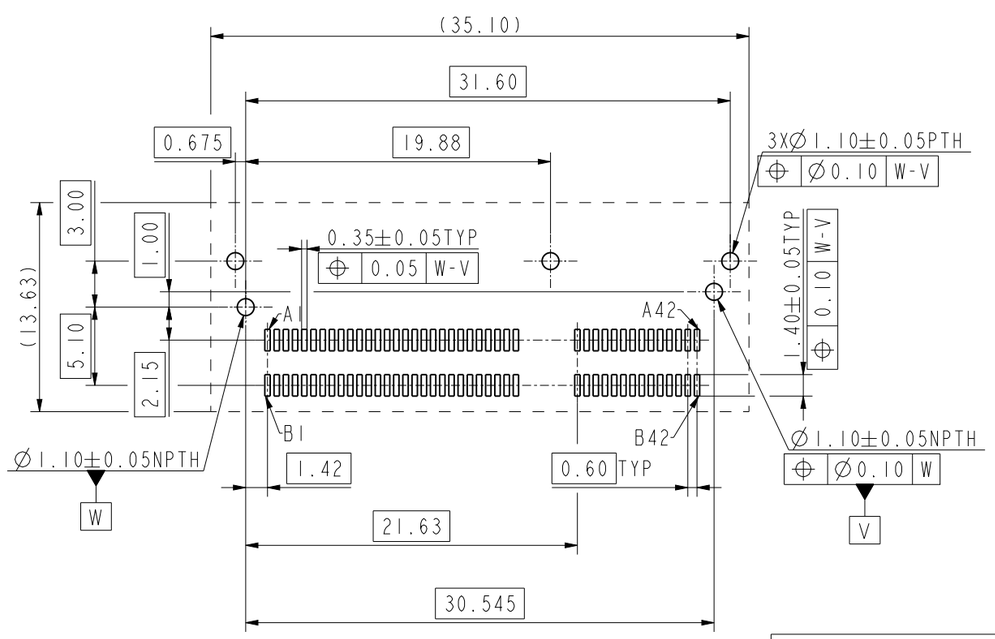
Creo File:APH-A3C,REV B,2021-05-07



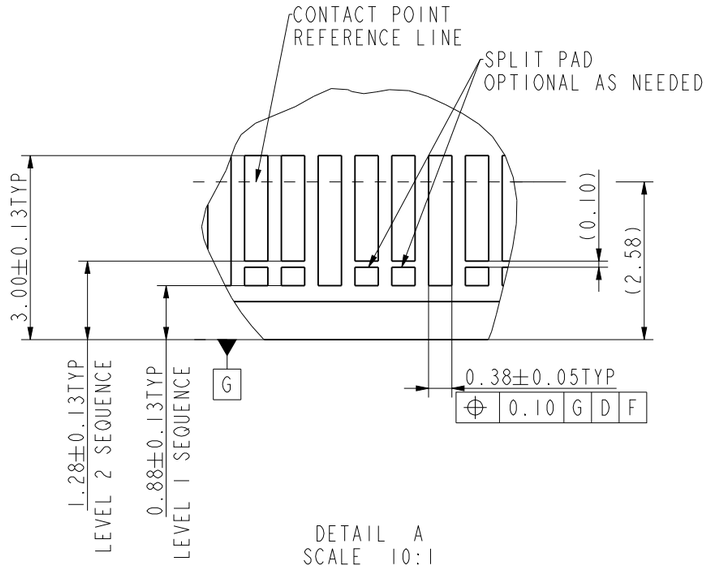


RECOMMENDED AIC CARD





RECOMMENDED FOOTPRINT

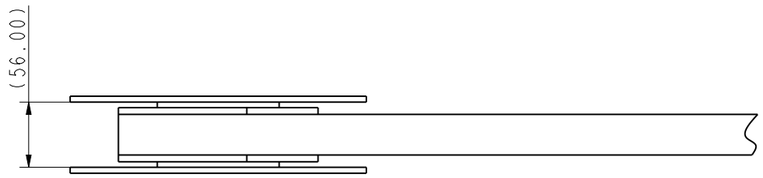


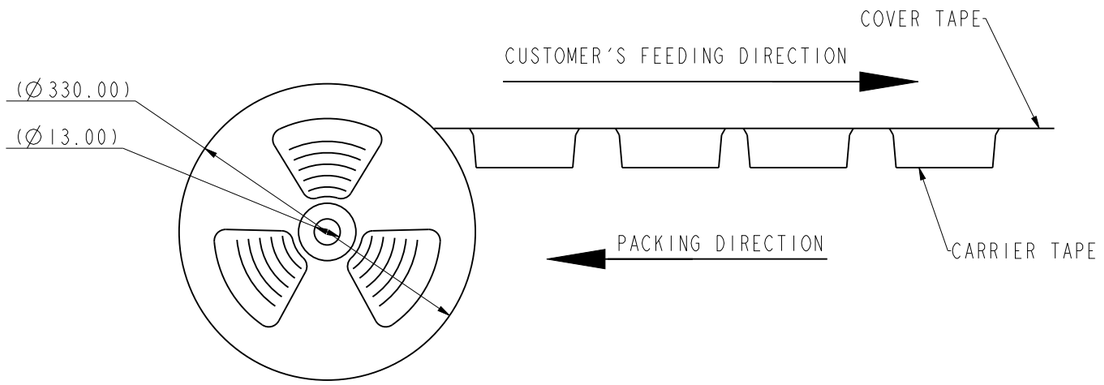
DETAIL A
SCALE 10:1

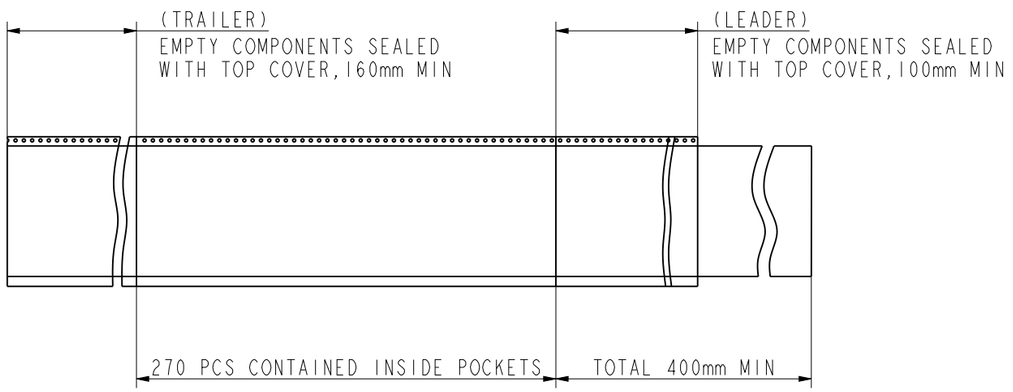
spec ref	S-ME-004			dr	Johnny.Wang	Aug.05,2022	Amphenol
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Johnny.Wang	Aug.05,2022	amphenol-icc.com
				rvwr			
				appr			
surface	linear	0.X	±0.50	projection			
		0.XX	±0.25				
		0.XXX	±0.15				
	angular	0°	±5°				

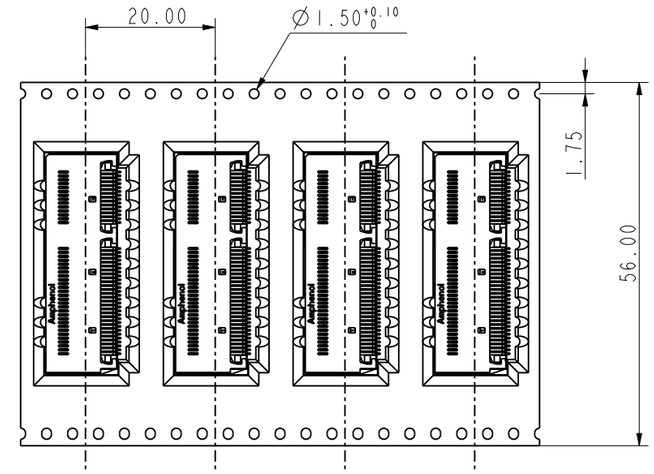
mm	scale 5:2	size A3	
ecn no			
rel level			
title	MINI COOL EDGE CONNECTOR R/A 0.60mm PITCH H7.20mm GEN5	dwg no	C ME10084102020 6X
		cat. no.	rev X1
product family		sheet 3 of 4	

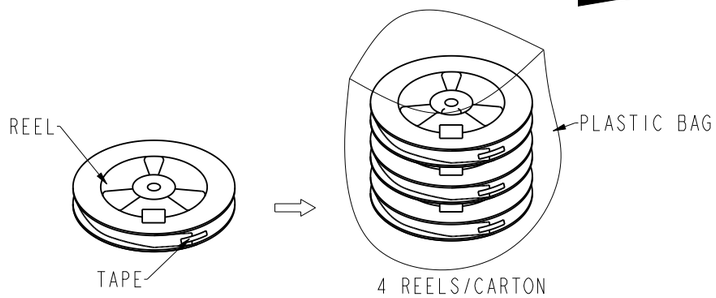
Creo File:APH-A3C,REV B,2021-05-07

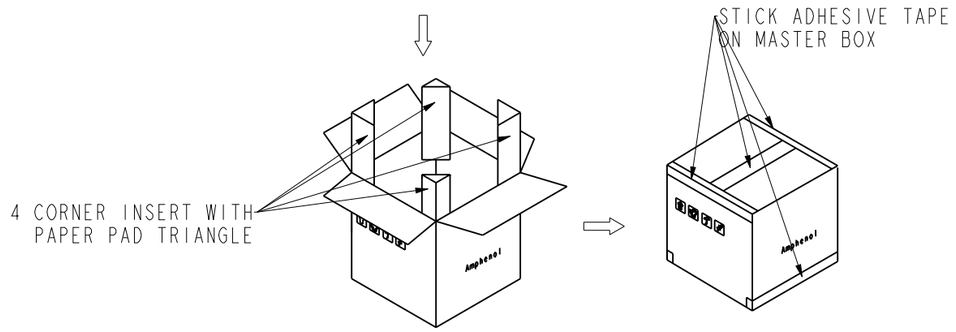












spec ref	S-ME-004			dr	Johnny.Wang	Aug.05,2022	Amphenol
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Johnny.Wang	Aug.05,2022	amphenol-icc.com
				rvwr			
				appr			
surface	linear	0.X	±0.50	projection	title	MINI COOL EDGE CONNECTOR	dwg no C ME100841020206X
		0.XX	±0.25			R/A 0.60mm PITCH H7.20mm GEN5	cat. no.
		0.XXX	±0.15				
	angular	0°	±5°			product family	sheet 4 of 4

mm | scale 5:2 | size A3 | ecn no | rel level | rev X1

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