

4

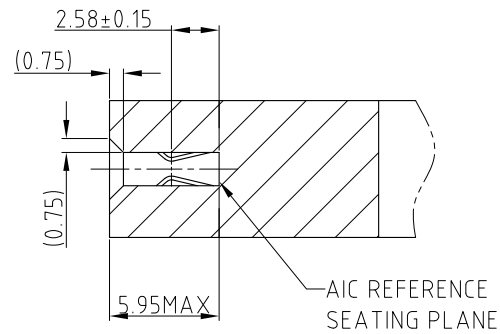
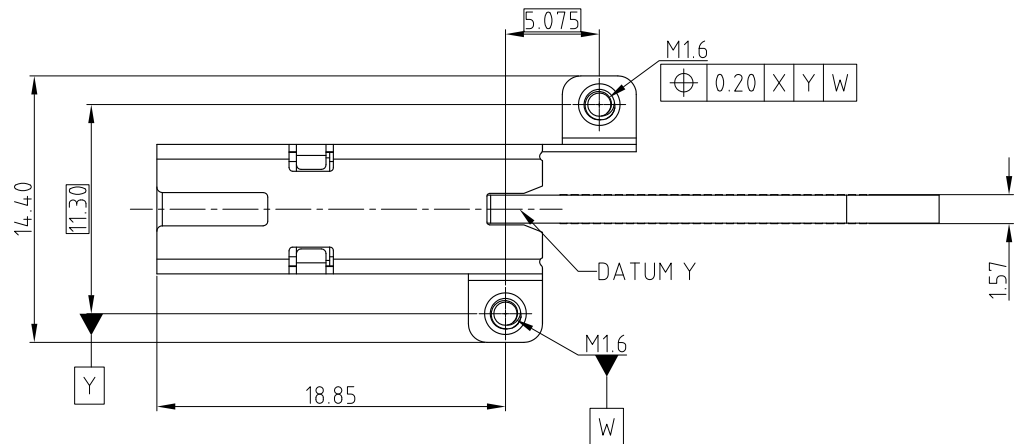
(2)

2

1

REVISIONS

Sym	ECN	Description	Date	Approved
1	CDXXXX	PRELIMINARY PROPOSAL	Dec.16,2019	YH
2	CDXXXX	ADD PACKING	Mar.17,2020	YH
3	CDXXXX	UPDATE SCHEMATIC BASED ON SFF-TA1009	Apr.8,2020	YH
3	CD2132	OFFICIAL RELEASE	Apr.8,2020	YH
4	CD2662	ADD NEW P/N OPTION	Nov.27,2020	YH
5	CD----	ADD NOTE 6 & 7	Oct.28,2021	YH

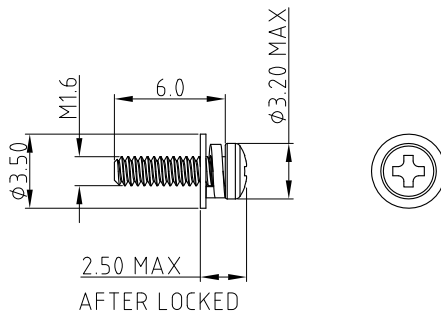
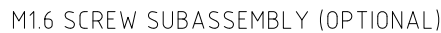


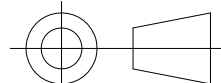
SECTION B-B

NOTE:

1. MATERIAL:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
METAL FRAMEWORK: STAINLESS STEEL
2. FINISHED:
CONTACT: MATING AREA: 0.76um MIN Au PLATED
OVER 1.27-2.54 um NICKEL UNDERPLATED
SOLDER AREA: 1.27 um MIN TIN OVER 1.27-2.54 um NICKEL UNDERPLATED
3. DURABILITY: 200 CYCLES.
4. MATERIAL IS FULFILLED RoHS & HALOGEN FREE.
5. CONNECTOR IS PACKED IN TRAY
SCREW IS PACKED IN PLASTIC BAG AND BE PLACED IN TOP EMPTY TRAY.
- △ 6. THE APPEARANCE OF GOLD FINGER IS OPTIONAL FOR REFERENCE
THE DESIGN SUPPORTS REF TA-1012
- △ 7. PCB MARK INDICATES MANUFACTURING INFORMATION
DRAWING PRINT IS OPTIONAL FOR REFERENCE.
8. ORDERING P/N: MEX005630X01111

- 1: GEN3
2: GEN4
3: GEN5
- 5: WITHOUT M1.6 SCREW SUBASSEMBLY
7: WITH M1.6 SCREW SUBASSEMBLY



UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol					
U.S. METRIC		DRAWN	Yunx.liu	Oct.28,2021							
.X +/— / 0.50		CHECKED	Ly.yi	Oct.28,2021							
.XX +/— 0.25		APPROVED									
.XXX +/— 0.15		DRAWING FILE : INTERNAL\DRAWING\MEX\CMEX005630X01111				TITLE MINI COOL EDGE ORTHOGONAL 2PCS EDSFF 1x1, 7.805mm OFFSET, 56PIN					
FRACTIONS +/— /											
ANGLES +/— 5°		ANGLE OF PROJECTION 				SIZE		DRAWING NO.		REV.	
FOR MATERIALS AND FINISHES SEE NOTES						A3		C MEX005630X01111		5	
REMOVE SHARP EDGES						SCALE		NONE		SHEET 1 OF 4	
DIMENSIONS											
— U.S. —		(METRIC)		(MM)							
— INCHES —											

4

(7)

2

1

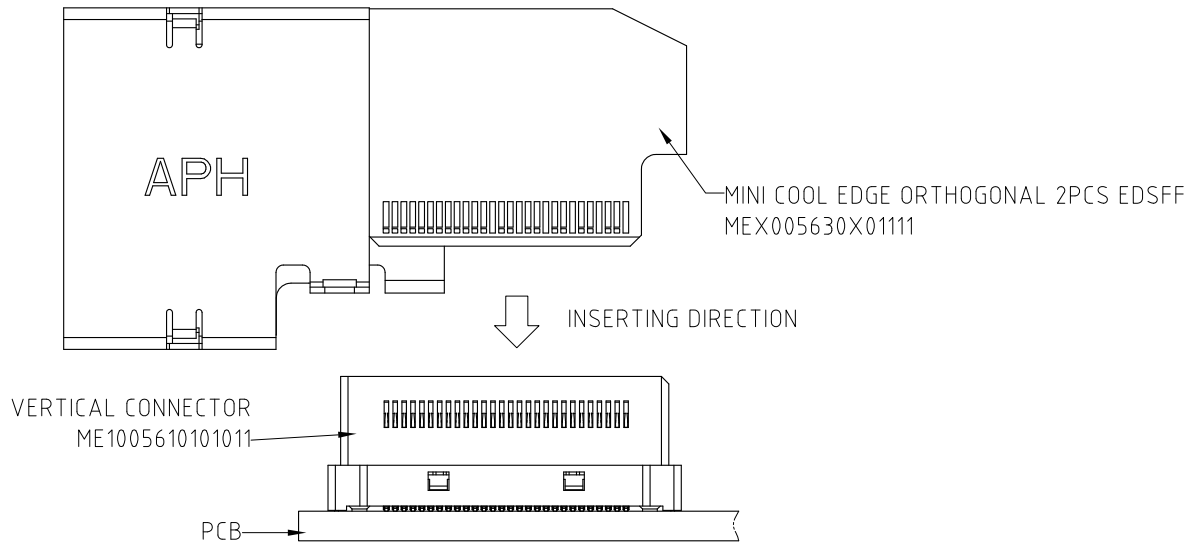
This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, & that no right is granted to disclose or to use any information in this document.

CUSTOMER DRAWING

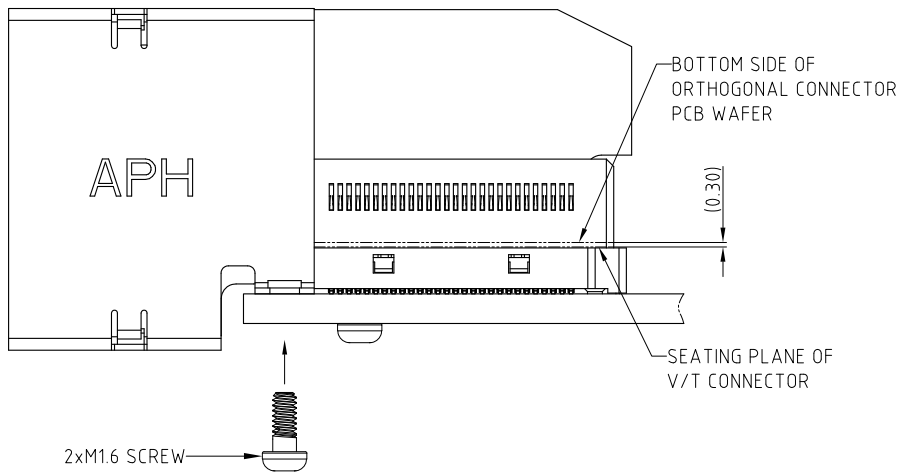
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		

ASSEMBLY PROCESS:

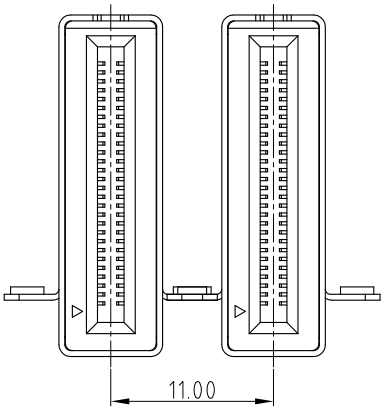
1. TO INSERT MINI COOL EDGE ORTHOGONAL 2PCS EDSFF INTO VERTICAL CONNECTOR



2. TO FIX WITH SCREWS



MULTI-PORTS ARRAY



INTERFACE SIDE		FOOTPRINT SIDE	
A1		A1	
A2		A2	
A3		A3	
A4	⏏GND	A4	GND⏏
A5		A5	
A6		A6	
A7	SMBCLK	A7	
A8	SMBDAT	A8	
A9	SMRST#	A9	
A10	LED/ACTIVITY	A10	
A11	PERST1#/CLKREQ#	A11	
A12	PRSNT0#	A12	
A13	⏏GND	A13	GND⏏
A14	REFCLKn1	A14	
A15	REFCLKp1	A15	
A16	⏏GND	A16	GND⏏
A17	PERn0	A17	
A18	PERp0	A18	
A19	⏏GND	A19	GND⏏
A20	PERn1	A20	
A21	PERp1	A21	
A22	⏏GND	A22	GND⏏
A23	PERn2	A23	
A24	PERp2	A24	
A25	⏏GND	A25	GND⏏
A26	PERn3	A26	
A27	PERp3	A27	
A28	⏏GND	A28	GND⏏
B1		B1	
B2		B2	
B3	12v	B3	
B4		B4	
B5		B5	
B6	MFG	B6	
B7	RFU	B7	
B8	DUALPORTEN#	B8	
B9	PERST0#	B9	
B10	3.3Vaux	B10	
B11	PWRDIS	B11	
B12	⏏GND	B12	GND⏏
B13	REFCLKn0	B13	
B14	REFCLKp0	B14	
B15	⏏GND	B15	GND⏏
B16	PETn0	B16	
B17	PETp0	B17	
B18	⏏GND	B18	GND⏏
B19	PETn1	B19	
B20	PETp1	B20	
B21	⏏GND	B21	GND⏏
B22	PETn2	B22	
B23	PETp2	B23	
B24	⏏GND	B24	GND⏏
B25	PETn3	B25	
B26	PETp3	B26	
B27	⏏GND	B27	GND⏏
B28		B28	

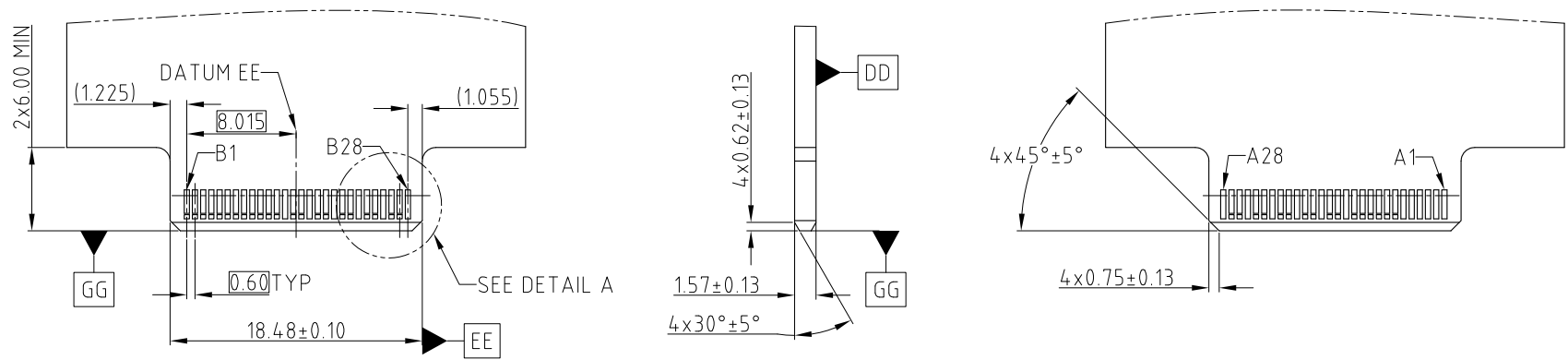
SCHEMATIC

UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- .XX +/- .XXX +/- FRACTIONS +/- ANGLES +/- SEE NOTES FOR MATERIALS AND FINISHES REMOVE SHARP EDGES DIMENSIONS U.S. INCHES (METRIC) (MM)		APPROVAL		DATE	Amphenol
		DRAWN	Yunx.liu	Oct.28,2021	
		CHECKED	Ly.yi	Oct.28,2021	
		APPROVED			
		DRAWING FILE :		INTERNAL\DRAWING\ME\CME005630X01111	TITLE MINI COOL EDGE ORTHOGONAL 2PCS EDSFF 1x1, 7.805mm OFFSET, 56PIN
		ANGLE OF PROJECTION			
		SIZE		DRAWING NO.	
		A3		C MEX005630X01111	
		SCALE		NONE	REV. 5
				SHEET 2 OF 4	

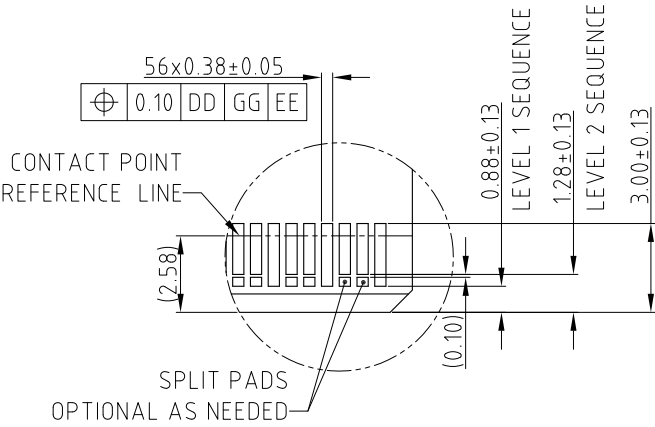


CUSTOMER DRAWING

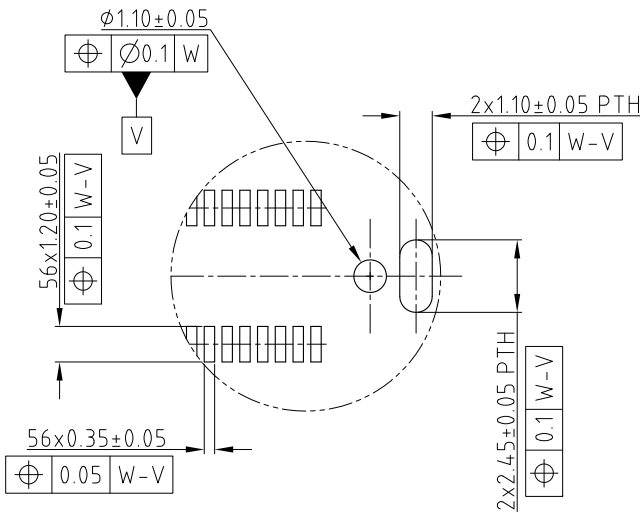
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



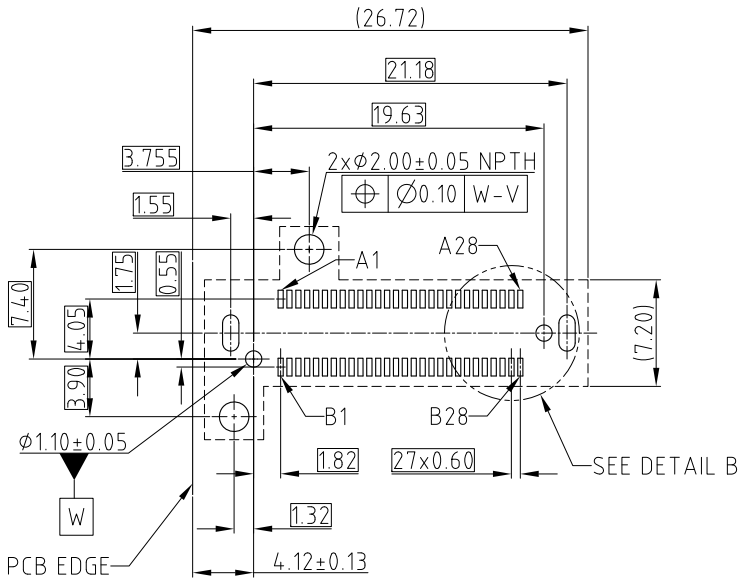
RECOMMENDED AIC MATING CARD



DETAIL A
SCALE 2:1



DETAIL B
SCALE 2:1



RECOMMEND PCB LAYOUT

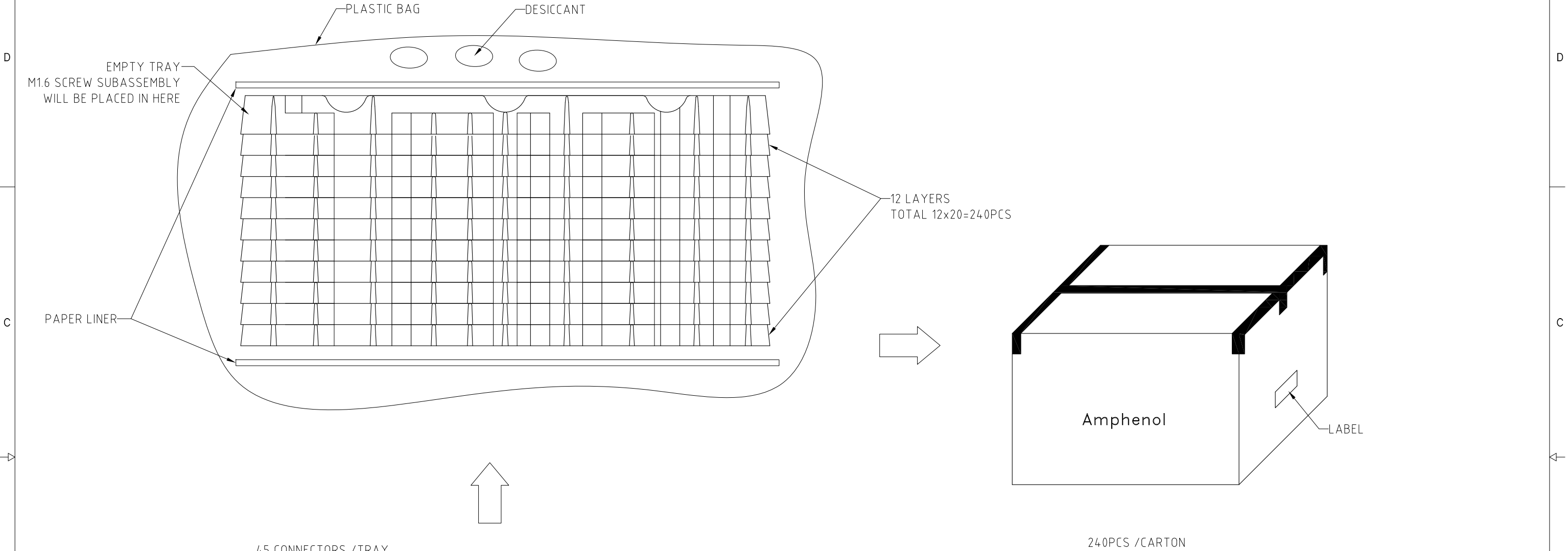


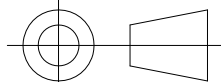
UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- .XX +/- .XXX +/- FRACTIONS +/- ANGLES +/- FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS U.S. INCHES (METRIC) (MM)		APPROVAL		DATE	Amphenol
		DRAWN	Yunx.liu	Oct.28,2021	
		CHECKED	Ly.yi	Oct.28,2021	
		APPROVED			
		DRAWING FILE :		INTERNAL\DRAWING\ME\CMEX005630X01111	TITLE MINI COOL EDGE ORTHOGONAL 2PCS EDSFF 1x1, 7.805mm OFFSET, 56PIN
		ANGLE OF PROJECTION			
		SIZE	DRAWING NO.		REV.
		A3	C MEX005630X01111		5
		SCALE	NONE		SHEET 3 OF 4

This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, & that no right is granted to disclose or to use any information in this document.

CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- .XX +/- .XXX +/- FRACTIONS +/- ANGLES +/- SEE SHEET 1		APPROVAL		DATE		Amphenol
		DRAWN	Yunx.liu	Oct.28,2021		
FOR MATERIALS AND FINISHES SEE NOTES		CHECKED	Ly.yi	Oct.28,2021		
		APPROVED				
REMOVE SHARP EDGES		DRAWING FILE :		TITLE		MINI COOL EDGE ORTHOGONAL 2PCS EDSFF 1x1, 7.805mm OFFSET, 56PIN
		INTERNAL\DRAWING\ME\CMEX005630X01111				
DIMENSIONS		ANGLE OF PROJECTION				
						
— U.S. —				SIZE	DRAWING NO.	REV.
(METRIC)				A3	C MEX005630X01111	5
				SCALE	NONE	SHEET 4 OF 4