

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

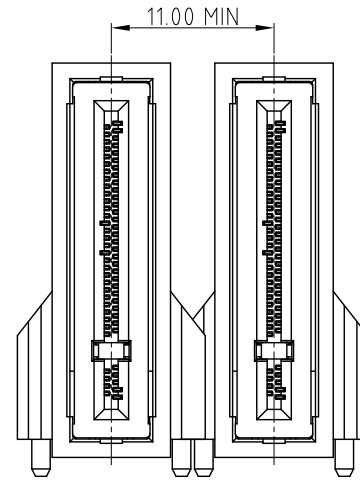
REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
1	CDXXXX	PRELIMINARY PROPOSAL	Mar.31,2017	YH
2	CDXXXX	UPDATE P/N & PIN DEFINITIONS	Apr.6,2017	YH
3	CDXXXX	UPDATE PCB LAYOUT	Apr.16,2017	YH
4	CDXXXX	UPDATE P/N SYSTEM	Aug.11,2017	YH
4	CD1142	OFFICIAL RELEASE	Aug.11,2017	YH
5	CDXXXX	FIXED THE COVER & UPDATE TITLE TO ADD MICRO COOL EDGE	Jul.10,2018	YH

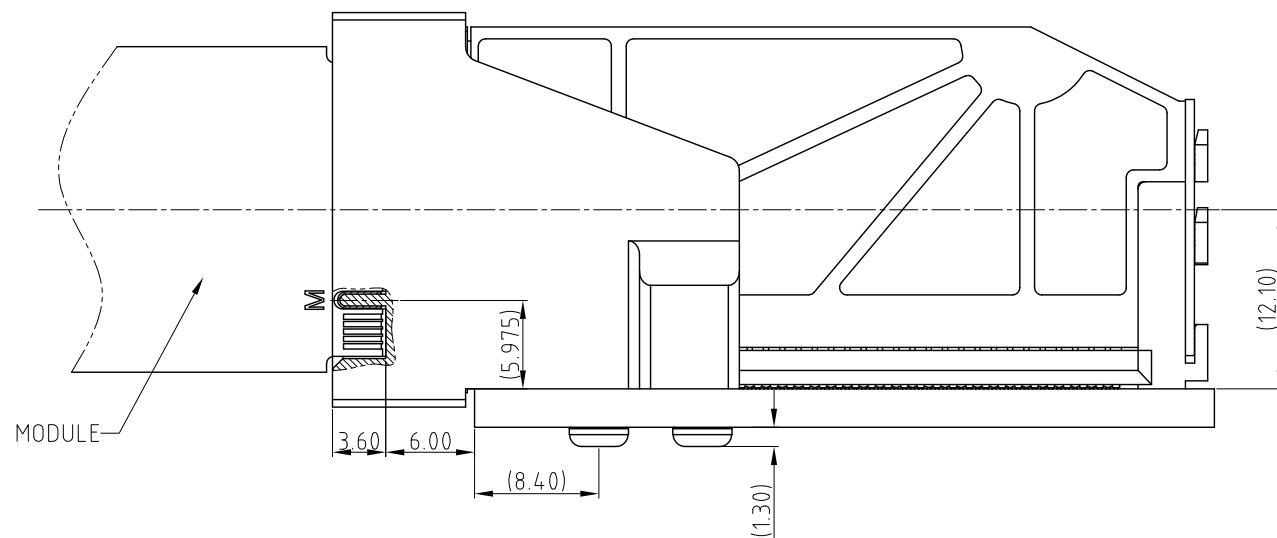
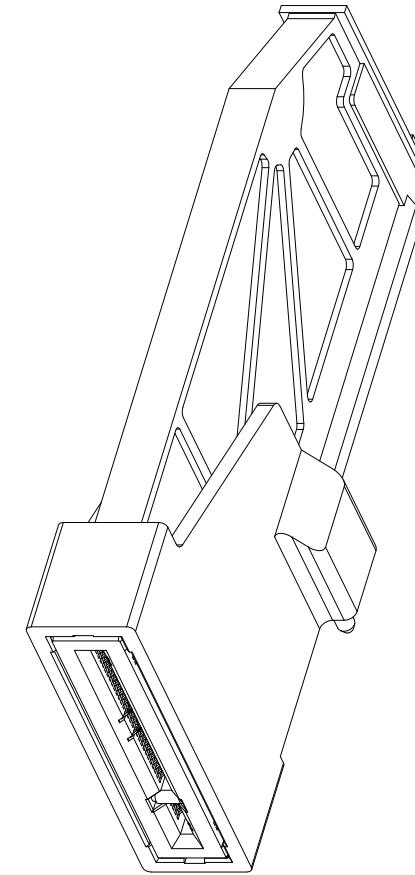
NOTE:

- MATERIAL:**
 PLASTIC: LCP, UL 94V-0, BLACK
 CONTACT: COPPER ALLOY
 KEY METAL: STAINLESS STEEL
 METAL FRAMEWORK: ZN ALLOY
- FINISHED:**
 CONTACT AREA: 30u" MIN Au PLATED
 PRESS-FIT TAIL: 20u" MIN MATTE PURE TIN
 UNDERPLATED: NI PLATING 1.27um MIN
- ELECTRICAL PERFORMANCE:**
 3.1 INSULATION RESISTANCE: 500MΩ MIN
 3.2 OPERATION TEMPERATURE: -40°C TO +85°C
- DIMENSIONING SHALL BE INTERPRETED PER ASME Y14.5M 1994**
- MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC# S-SN-002 FOR HALOGEN FREE PRODUCTS, ALSO NEED TO MEET # S-SN-004**

ORDER P/N SYSTEM:
MD3671M23100212



MULTI-PORTS ARRAY

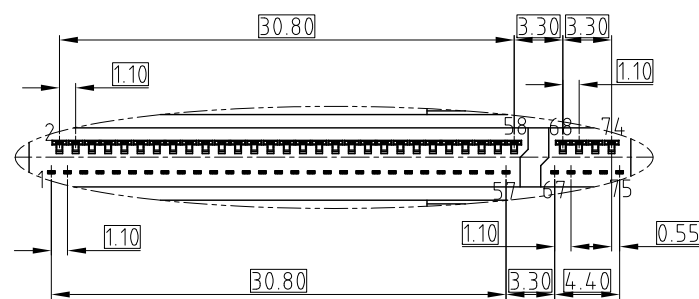
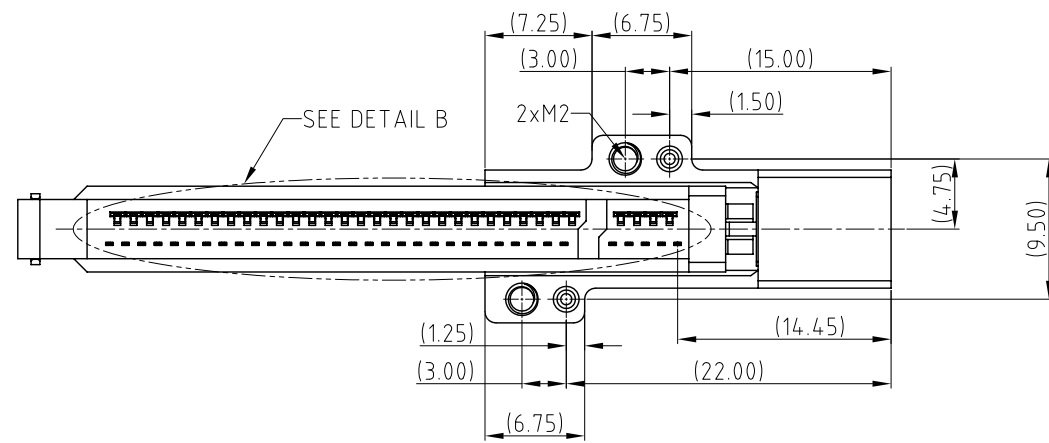
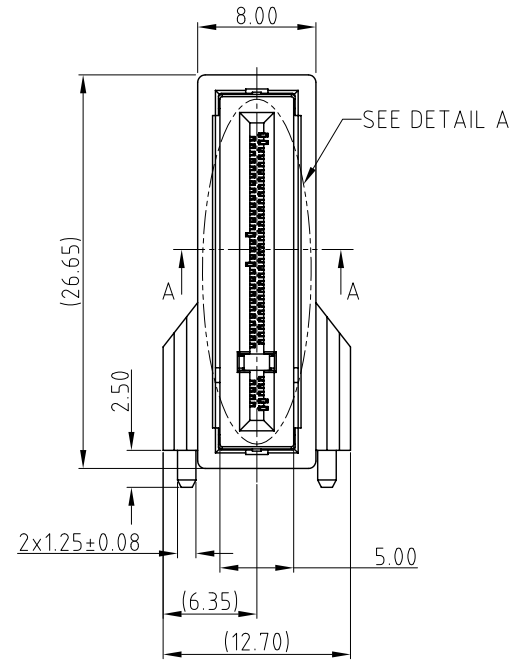
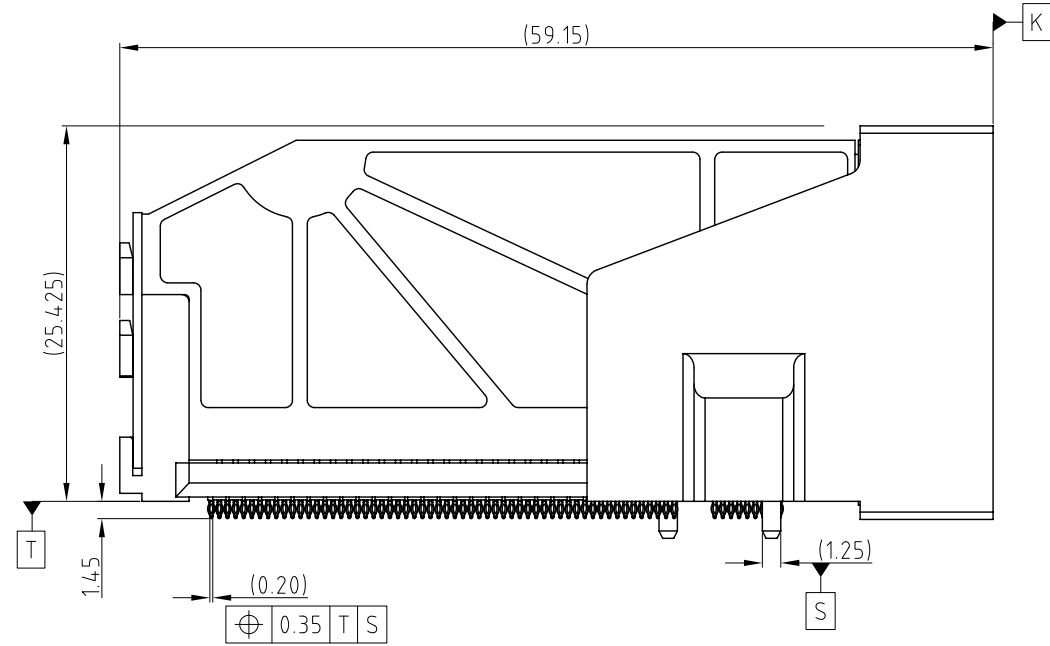


UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.50 .XX +/- 0.25 .XXX +/- FRACTIONS +/- ANGLES +/- 5° FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS U.S. INCHES (METRIC) (MM)	APPROVAL DRAWN Yunx.liu CHECKED Ly.yi APPROVED		DATE Jul.10,2018 Jul.10,2018		<h1>Amphenol</h1>	
	DRAWING FILE : DRAWING\MDT\CMD3671M23100212					TITLE MICRO COOL EDGE
	ANGLE OF PROJECTION 					67PIN ORTHOGONAL NF1/NGSFF 0.5mm PITCH CONNECTOR
	SIZE A3		DRAWING NO. C MD3671M23100212			REV. 5
SCALE NONE		SHEET 1 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		



DETAIL B

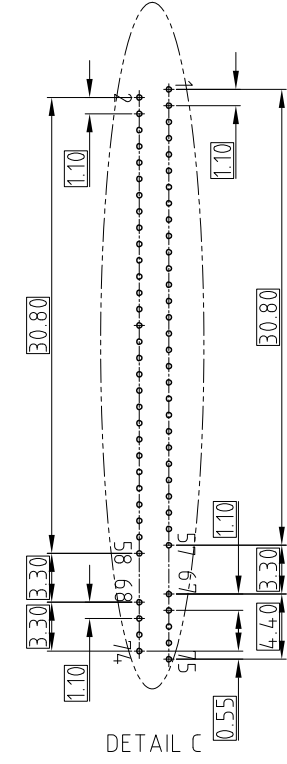
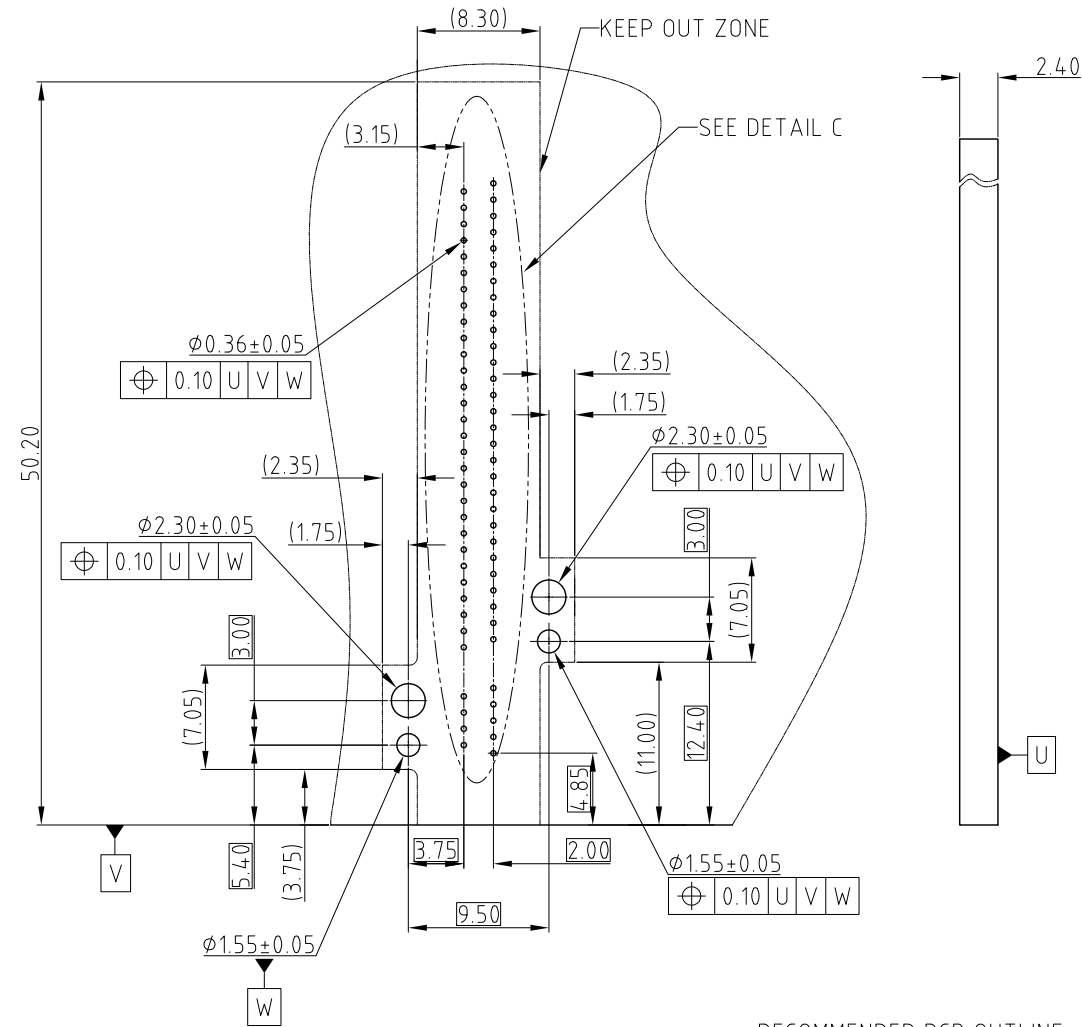
UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.50 .XX +/- 0.25 .XXX +/- FRACTIONS +/- ANGLES +/- 5°	APPROVAL	DATE
	DRAWN Yunx.liu	Jul.10,2018
	CHECKED Ly.yi	Jul.10,2018
	APPROVED	
FOR MATERIALS AND FINISHES SEE NOTES	DRAWING FILE : DRAWING\MDT\CMD3671M23100212	
REMOVE SHARP EDGES	ANGLE OF PROJECTION	
DIMENSIONS		
U.S. INCHES		
(METRIC) (MM)		

Amphenol		
TITLE MICRO COOL EDGE		
67PIN ORTHOGONAL NF1/NGSFF 0.5mm PITCH CONNECTOR		
SIZE A3	DRAWING NO. C MD3671M23100212	REV. 5
SCALE	NONE	SHEET 2 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		



RECOMMENDED PCB OUTLINE
TOLERANCE: ±0.05

PLATING TYPE	COPPER OSP
DRILL HOLE ϕ	0.40 - 0.46
Cu PLATING NOTE 1	0.025-0.045
FINISH HOLE	0.31 - 0.41



Foot Print Pin Number	Interface Pin Number	NGSFF Socket 3 PCIe (m-Key, 1Port x4Lane)		Interface Pin Number	Foot Print Pin Number
74	74	74	N/C	75	75
72	72	72	N/C	73	73
70	70	70	N/C	71	71
68	68	68	SUSCLK(32KHz)	PEDET(NC-PCIe)	69
66(Blank)	66(Blank)	66	Module Key M	PRST1#	67
64(Blank)	64(Blank)	64	Module Key M	Module Key M	65
62(Blank)	62(Blank)	62	Module Key M	Module Key M	63
60(Blank)	60(Blank)	60	Module Key M	Module Key M	61
58	58	58	Reserved MFG_CLOCK	Module Key M	59
56	56	56	Reserved MFG_DATA	GND	57
54	54	54	REWAKE#	REFCLKp	55
52	52	52	CLKREQ#	REFCLKn	53
50	50	50	PERST#0	GND	51
48	48	48	N/C	PERp0	49
46	46	46	N/C	PERn0	47
44	44	44	ALERT#(O)(0/3.3V)	GND	45
42	42	42	SMB_DATA(I/O)(0/3.3V)	PETp0	43
40	40	40	SMB_CLK(I/O)(0/3.3V)	PETn0	41
38	38	38	N/C	GND	39
36	36	36	12V (Pre-Charge)	PERp1	37
34	34	34	12V	PERn1	35
32	32	32	12V	GND	33
30	30	30	12V	PETp1	31
28	28	28	PWDIS	PETn1	29
26	26	26	GND	GND	27
24	24	24	N/C	PERp2	25
22	22	22	N/C	PERn2	23
20	20	20	GND	GND	21
18	18	18	N/C	PETp2	19
16	16	16	N/C	PETn2	17
14	14	14	N/C	GND	15
12	12	12	3.3Vaux	PERp3	13
10	10	10	LED1#	PERn3	11
8	8	8	N/C	GND	9
6	6	6	PRST2#	PETp3	7
4	4	4	N/C	PETn3	5
2	2	2	N/C	GND	3
				GND	1

UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.50 .XX +/- 0.25 .XXX +/- FRACTIONS +/- ANGLES +/- 5° FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS U.S. INCHES (METRIC) (MM)	APPROVAL		DATE
	DRAWN	Yunx.liu	Jul.10,2018
	CHECKED	Ly.yi	Jul.10,2018
	APPROVED		
DRAWING FILE :		DRAWING\MDT\CMD3671M23100212	
ANGLE OF PROJECTION			

<h2>Amphenol</h2>		
TITLE MICRO COOL EDGE 67PIN ORTHOGONAL NF1/NGSFF 0.5mm PITCH CONNECTOR		
SIZE	DRAWING NO.	REV.
A3	C MD3671M23100212	5
SCALE	NONE	SHEET 4 OF 4