

Excellent Integrated System Limited

Stocking Distributor

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[FCI](#)
[10120128-00C-10DLF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

10120128 - X 0 C - X X X L F

6-COLUMN
DIFFERENTIAL
SIGNAL

LEAD-FREE DESIGNATION
ONLY WITH APPLICABLE
PLATING CODES

PLATING (SEE NOTE 6)		
LETTER	APPLICATION	TYPE (REFERENCE)
B	TELCORDIA CO	0.76um GOLD or GXT
C	TELCORDIA UE	1.27um GOLD
D	TELCORDIA CO	0.76um GOLD or GXT, LEAD-FREE
E	TELCORDIA UE	1.27um GOLD, LEAD-FREE

NUMBER	GUIDE PIN STYLE (SEE NOTE 8)
0	STANDARD GUIDE PIN, MACHINED
I	STANDARD GUIDE PIN, ROLLED

MODULE DESCRIPTION	LETTER DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 6)	N	J	A	B	C	D	E	F	G	H	
	NO KEY GUIDE PIN										
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 7)	Z	Y	P	Q	R	S	T	U	V	W	
	NO KEY GUIDE PIN										
OPEN MODULE (TWO WALL) (SEE SHEET 2)	0 (ZERO)										
LEFT WALL MODULE (SEE SHEET 3)	L										
RIGHT WALL MODULE (SEE SHEET 4)	M										
FOUR WALL MODULE (SEE SHEET 5)	I (ONE)										

NUMBER	CONTACT MATING	WIPE LENGTH	COMPLIANT TAIL TYPE (SEE NOTE 9)
1	2 MM	4 MM	0.55 (0.0217") DRILL
2	3 MM	4 MM	0.55 (0.0217") DRILL
3	2 MM	4 MM	0.45 MICRO (0.0177") DRILL
4	3 MM	4 MM	0.45 MICRO (0.0177") DRILL
5	2 MM	3 MM	0.55 (0.0217") DRILL
6	3 MM	3 MM	0.55 (0.0217") DRILL
7	2 MM	3 MM	0.45 MICRO (0.0177") DRILL
8	3 MM	3 MM	0.45 MICRO (0.0177") DRILL

FOR CUSTOM-LOADED MODULES, SEE INDIVIDUAL CUSTOM DRAWINGS WITH THE DRAWING-NUMBER FORMAT OF 10120128-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

TABLE 1 (SEE NOTE 11)		
	UNGROUND	GROUND
FHS	Ø2.35-Ø2.55	Ø2.35-Ø2.55
PAD	N/A	Ø5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

TABLE 2 (SEE NOTE 12)		
SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SO CONICAL WASHER	1.60-5.00mm
10091790-003LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SO CONICAL WASHER	5.00-10.00mm

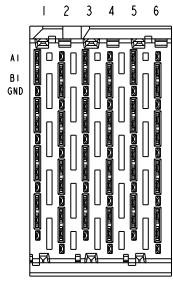
spec ref		-	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED	
ISO 406			
ISO 1101			
surface 	linear	0.1	±0.3
		0.1X	±0.10
		0.1XX	±0.050
	ISO 1302	angular	Ø"

dr	Amphenol FCI	projection	mm	size	A2	scale	1:1
eng	Amphenol FCI	product family		acc no		rel level	Released
chr	Amphenol FCI	product family		rel level		rel level	Released
appr	Amphenol FCI	product family		rel level		rel level	Released
Amphenol FCI MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 6 Column							
www.fci.com	cat. no.		Product	Customer Drw	10120128	rev	C

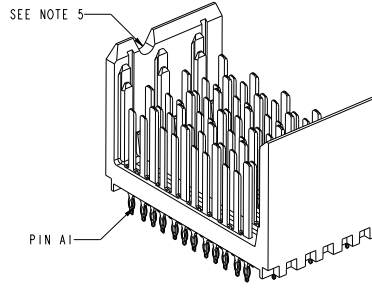
PDS: Rev :C

STATUS: Released

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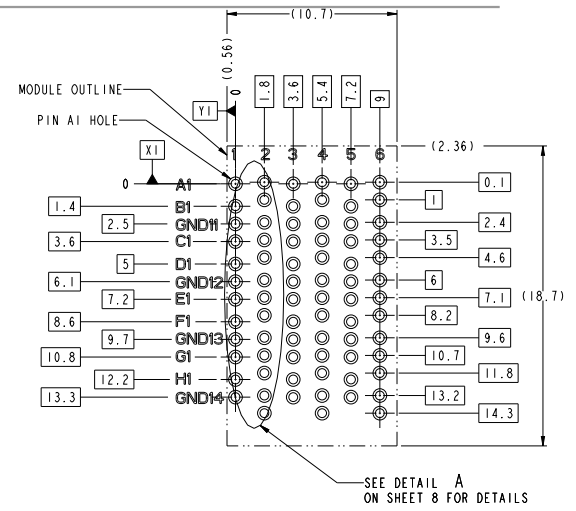


OPEN WALL MODULE



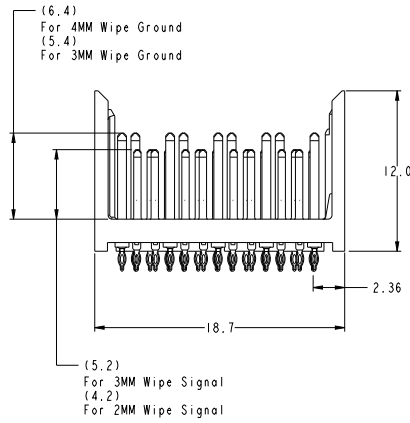
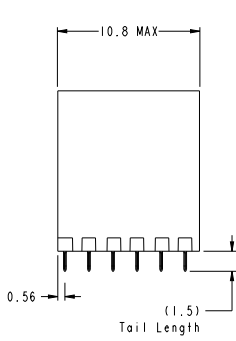
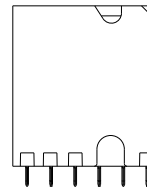
SEE NOTE 5

PIN AI



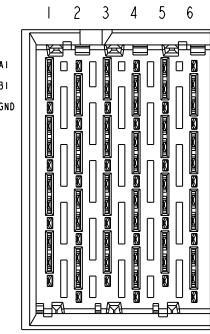
BP HOLE PATTERN COMPONENT SIDE

OPEN WALL MODULE BACKPLANE FOOTPRINT



spec. ref.	-	dr.	Amphenol Ltd	projection	mm	size	A2	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Amphenol Ltd	chr	mm	acc. no.	rel. level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED									
surface	linear	0.1	±0.3	Amphenol FCI	MODULE ASSEMBLY, XCEDE HD	deg	10120128	rev	C
	linear	0.2X	±0.10		Vertical Header, 4 Pair 6 Column				
	angular	0.2X	±0.050						
	angular	0°	±2°						
ISO 1302									
www.fci.com									
PDS: Rev -C STATUS: Released Printed: Mar 17, 2016									

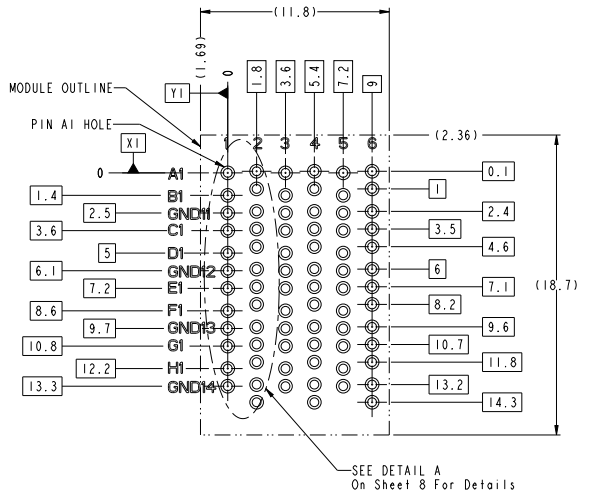
Amphenol FCI
© 2018 FCI



LEFT WALL MODULE

SEE NOTE 5

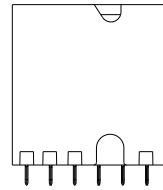
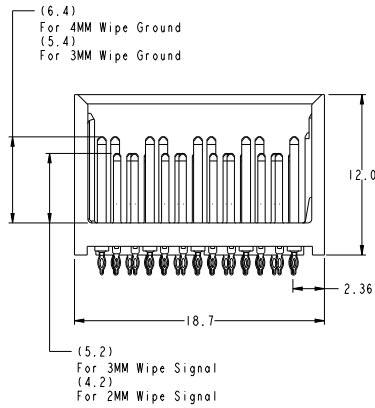
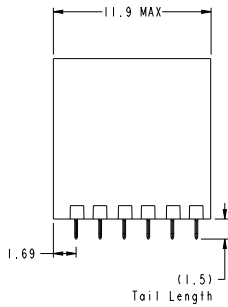
PIN AI



SEE DETAIL A
On Sheet 8 For Details

BP HOLE PATTERN COMPONENT SIDE

LEFT WALL MODULE BACKPLANE FOOTPRINT

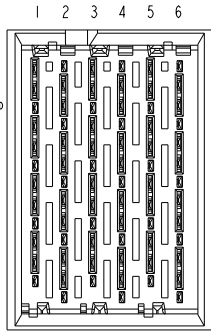


spec. ref.	-	dr.	Amphenol Ltd	20100101	projection	mm	size	A2	scale	2:1
tolerance std	ISO 406	eng	Amphenol Ltd	20100101	product family	XCEDE HD	acc. no.	rel. level	Released	
ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	apppr	Amphenol Ltd	20100101	product	Module Assembly, XCEDE HD	10120128	rev	C	
surface	linear	0.1	±0.3	Amphenol FCI	Module Assembly, XCEDE HD	Vertical Header, 4 Pair 6 Column	10120128	rev	C	
ISO 1302	angular	0.1X	±0.10	www.fci.com	Product	Customer Drw	10120128	rev	C	
		0.1X	±0.050							
		0.1	±2							

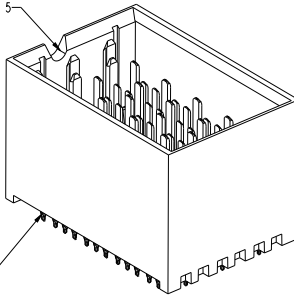
PDS: Rev C

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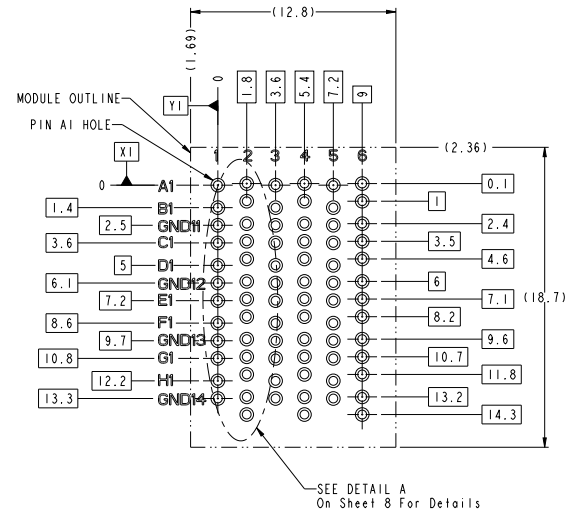


SEE NOTE 5



PIN A1

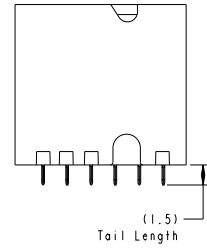
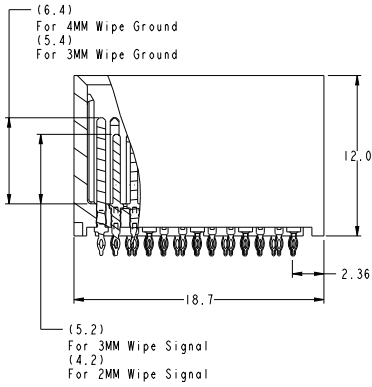
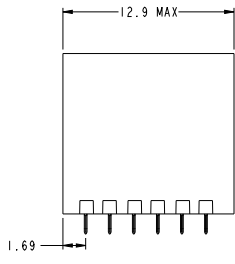
FOUR WALL MODULE



SEE DETAIL A
On Sheet 8 For Details

BP HOLE PATTERN COMPONENT SIDE

FOUR WALL MODULE BACKPLANE FOOTPRINT



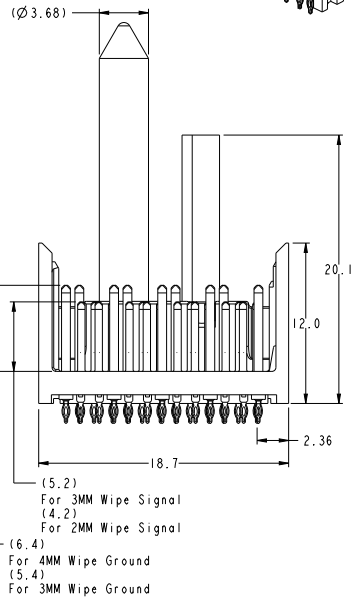
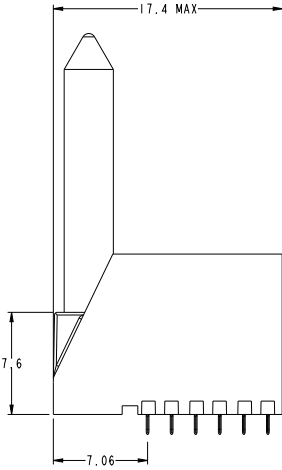
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tolerance std	ISO 406 ISO 1101	eng	Engineering Date	20160305	chr		acc. no.		rel. level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED										
surface	linear	0.X	±0.3	Amphenol FCI	MODULE ASSEMBLY, XCEDE HD	10120128	rev	C	Product	Customer Drw
		0.XX	±0.10							
		0.XXX	±0.050							
		angular	°							
ISO 1302				www.fci.com	col. no.				Product	Customer Drw
PDS: Rev :C STATUS: Released Printed: Mar 17, 2016										

PDS: Rev :C

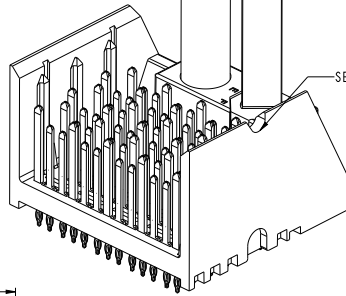
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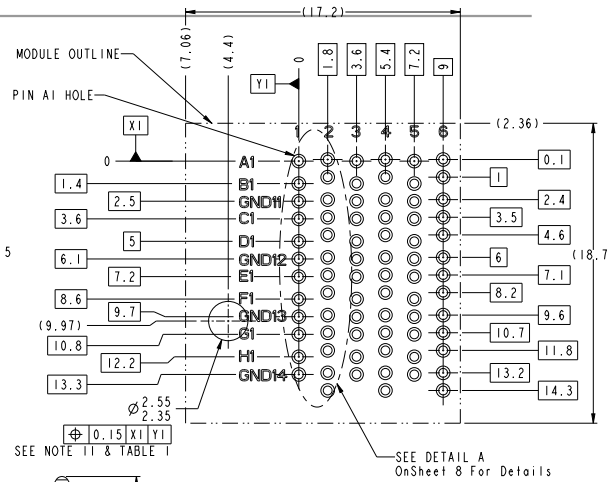
LEFT POLARIZING/GUIDE MODULE



Optional Key See Sheet 1
Part Number Tree



SEE NOTE 5



**BP HOLE PATTERN COMPONENT SIDE
LEFT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT**

spec. ref.	-	dr.	Amphenol Ltd	20160805	projection	mm	size	A2	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Amphenol Ltd	20160805	chr		acc. no.		rel. level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED										
surface	linear	0.1	±0.3	0.2X	±0.10	0.2X	±0.050	angular	Ø	±2
ISO 1302	angular	Ø	±2							
Amphenol FCI MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 6 Column www.fci.com										
Product Family: XCEDE HD Product: Customer Drw rel. level: Released rev: C sheet 6 of 6										

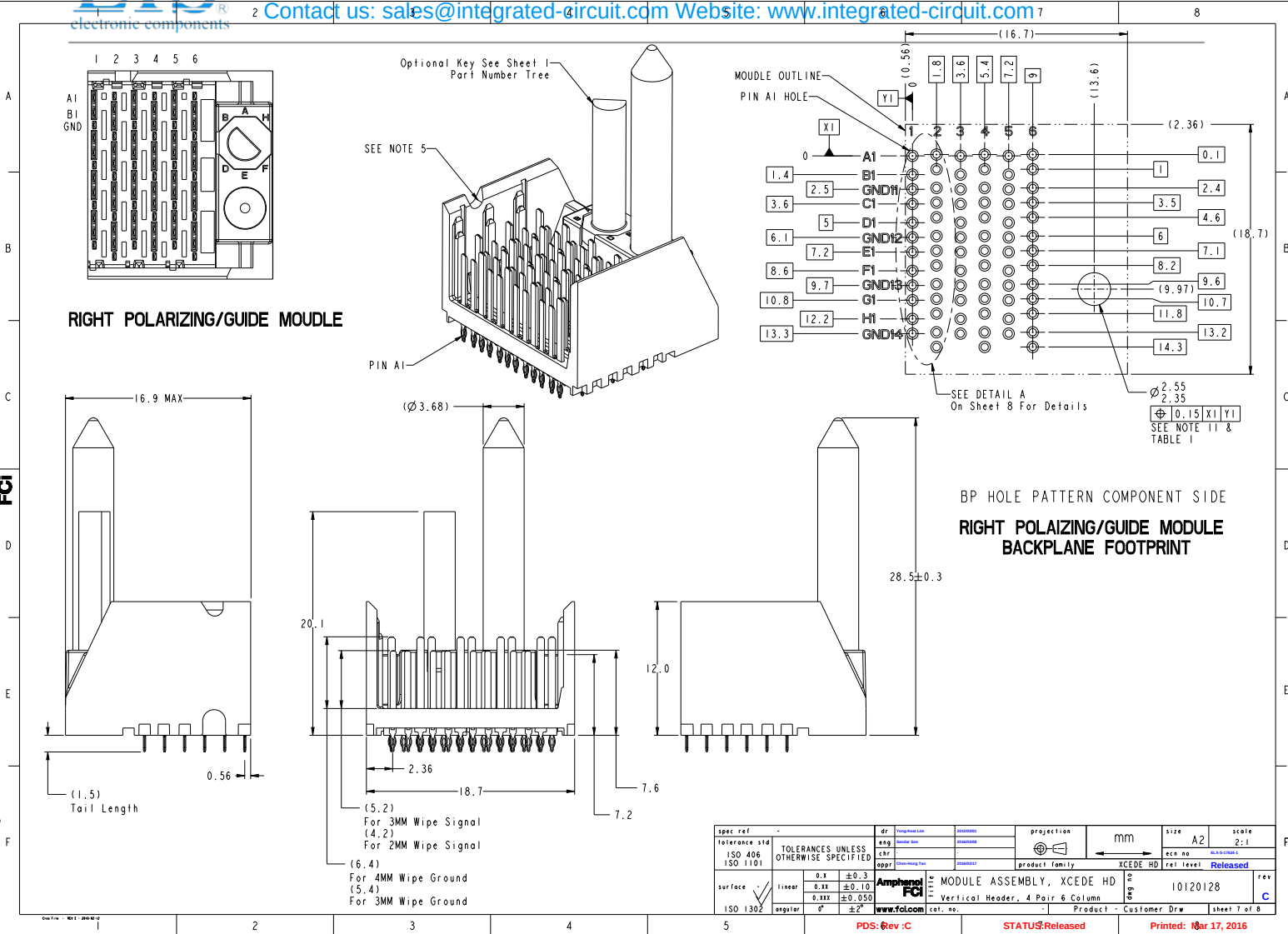
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Amphenol FCI

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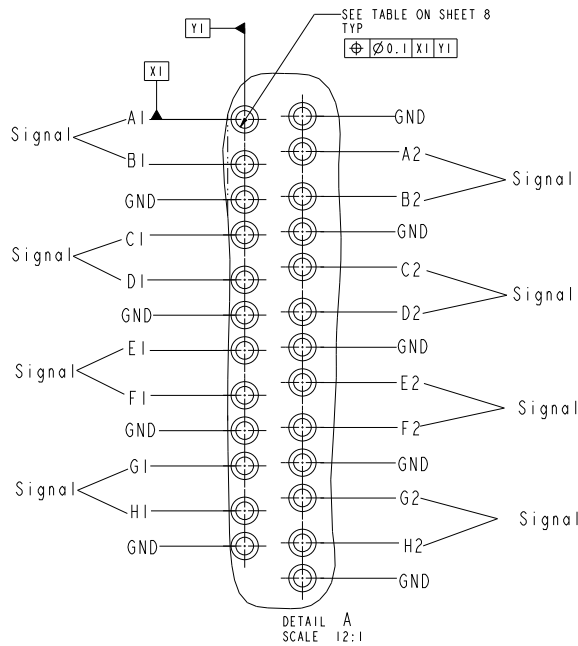


TABLE 3		
	COMPLIANT PIN DRILL $\varnothing 0.55 [0.0217"]$	COMPLIANT PIN DRILL $\varnothing 0.45 [0.0177"]$
PTH	$\varnothing 0.45 \pm 0.05$	$\varnothing 0.36 \pm 0.05$
DRILL	$\varnothing 0.55 [0.0217"]$	$\varnothing 0.45 [0.0177"]$
PAD	$\varnothing 0.85$	$\varnothing 0.75$

NOTES:

- CONNECTOR MATERIALS
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0
CONTACTS : HIGH PERFORMANCE COPPER ALLOY
- PRODUCT SPECIFICATION : GS-12-0936
- APPLICATION SPECIFICATION : GS-20-0348
- PRODUCT MARKING :
PART NUMBER (10120128-X0C-XXXLF)
"FCI" AND DATE CODE (FCI P#####)
- NOTCH DESIGNATES "ROW A" SIDE OF CONNECTOR. NOTCH FEATURE ON OPPOSITE FOR PRODUCT MARKING.
- PLATING THICKNESS OF SIGNAL & GROUND CONTACT ARE DETERMINED BY PLATING CODE, REFER TO P/N TREE ON SHEET 1.
- PACKAGING MEETS GS-14-920 LEAD-FREE LABELING SPECIFICATION.
- GUIDE-PIN STYLE DESIGNATION ONLY APPLIES TO MODULE VERSIONS THAT REQUIRE GUIDE-PIN HARDWARE. FOR ALL NON-GUIDE-PIN VERSIONS, THE DEFAULT DASH-NUMBER DIGIT IN THAT LOCATION IS STILL "0".
- SEE APPLICATION SPECIFICATION FOR ROUTING GUIDELINES, ADDITIONAL PTH GUIDELINES, MATED DIMENSIONS, GUIDE PIN SELECTION, ETC.
- A Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
- SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.

spec. ref.	-	dr.	Amphenol Ltd	20160805	projection	mm	size	A2	scale	2:1
tolerance std	ISO 406	eng	Amphenol Ltd	20160805	chr		acc. no.		rel. level	Released
ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED				appr	Amphenol Ltd	product family	XCEDE HD	rev	
surface	linear	0.1	± 0.3	Amphenol FCI	MODULE ASSEMBLY, XCEDE HD					
		0.2X	± 0.10		Vertical Header, 4 Pair 6 Column					
ISO 1302	angular	0.1X	± 0.050	www.fci.com	cat. no.		Product	Customer Drw	sheet 8 of 8	
		0°	± 2							

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