

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[10120126-00J-10DLF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

10120126 - X 0 J - X X X L F

4-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
1	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 10120126-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

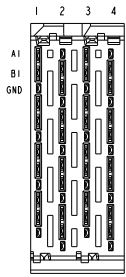
spec. ref.	tolerance std.	tolerances UNLESS OTHERWISE SPECIFIED
ISO 406		
ISO 1101		
surface	linear	0.1 ±0.3
	angular	0.1 ±0.10
		0.1 ±0.05
		0.1 ±0.2

dr	Amphenol FCI	projection	mm	size	A2	scale	1:1
eng	Amphenol FCI	product family		acc. no.		rel. level	Released
chr	Amphenol FCI						
appr	Amphenol FCI						
Amphenol FCI MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 4 Column							
www.fci.com	cat. no.		Product	Customer Drw	10120126	rev	C

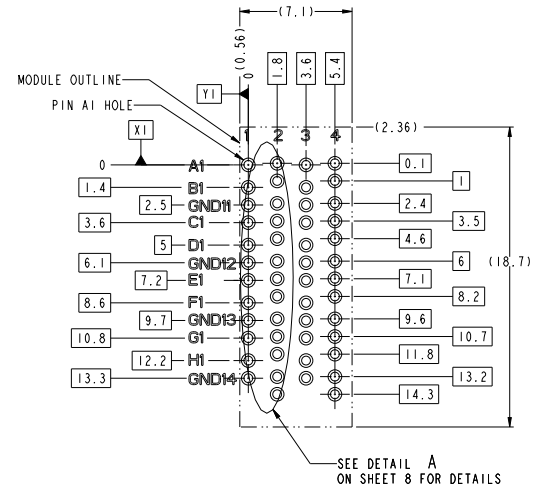
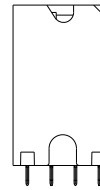
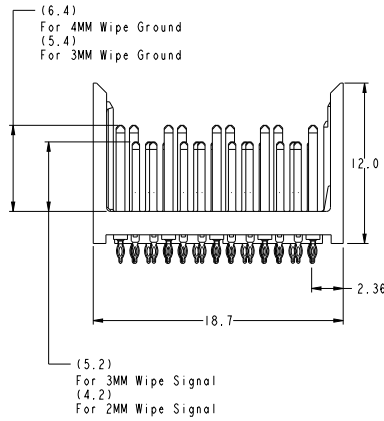
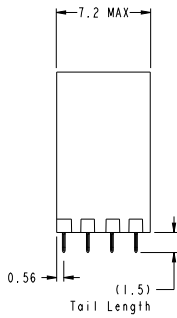
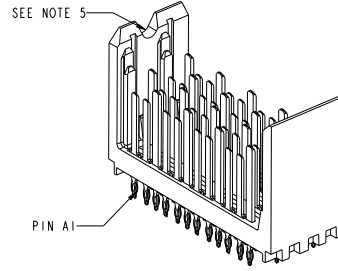
PDS: Rev :C

STATUS: Released

Printed: Mar 17, 2016



OPEN WALL MODULE



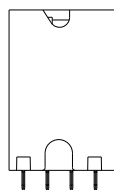
BP HOLE PATTERN COMPONENT SIDE
OPEN WALL MODULE BACKPLANE FOOTPRINT

spec. ref.	-	dr.	Amphenol Ltd	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Amphenol Ltd	acc. no.	-	rel. level	Released	rev	C
TOLERANCES UNLESS OTHERWISE SPECIFIED									
surface	linear	0.1	±0.3	Amphenol FCI	MODULE ASSEMBLY, XCEDE HD	deg	10120126	www.fcil.com	
	linear	0.2X	±0.10		Vertical Header, 4 Pair 4 Column			Product - Customer Drw	
	angular	0.2X	±0.05					sheet 2 of 6	
	angular	0°	±2°						

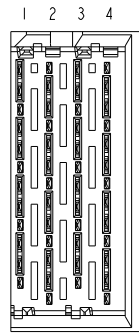
PDS: Rev C

STATUS: Released

Printed: Mar 17, 2016

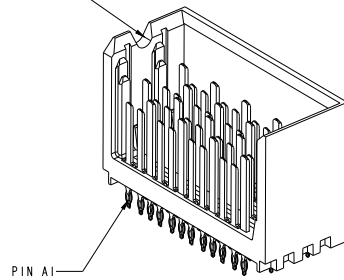


spec. ref. tolerance band ISO 406 ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		dsg drawing date 20060202	projection 	size A2	scale 1:1
		dsg drawing date 20060202	product family 100000001	ecc no 0000000000		rev 1	
surface ISO 1302		linear 0.1 0.05 0.03 0.01	angular 0° 0.1° 0.05° 0.03° 0.01°	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 4 Column			rev 1
5		PDS: Rev. C		STATUS: Released		Printed: 17. 7. 2016	

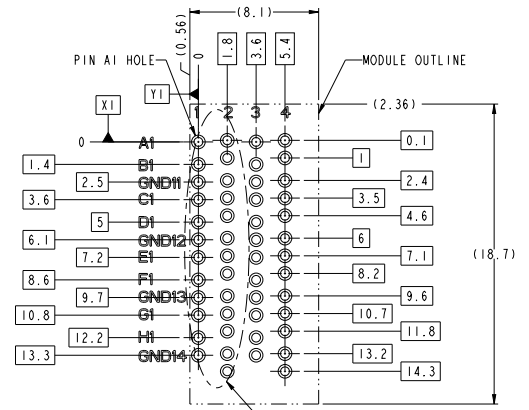


RIGHT WALL MODULE

SEE NOTE 5



PIN A1

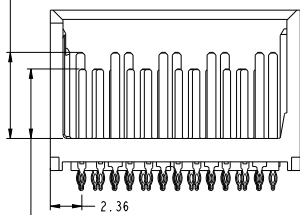


SEE DETAIL A
On Sheet 8 For Details

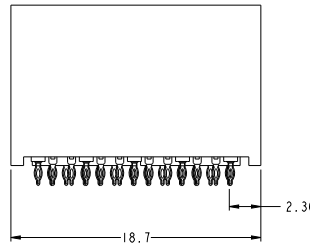
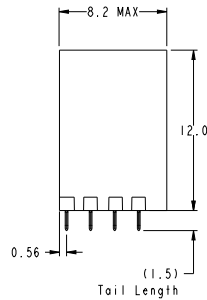
BP HOLE PATTERN COMPONENT SIDE

RIGHT WALL MODULE BACKPLANE FOOTPRINT

(6.4)
For 4MM Wipe Ground
(5.4)
For 3MM Wipe Ground



(5.2)
For 3MM Wipe Signal
(4.2)
For 2MM Wipe Signal

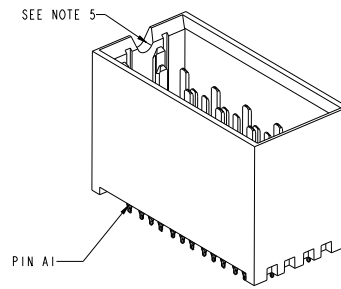
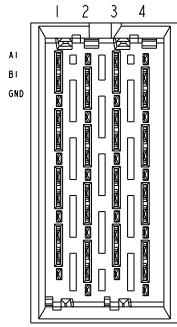


spec. ref.	-	dr.	Amphenol Ltd	proj.	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Amphenol Ltd	chp	Amphenol Ltd	acc. no.	rel. level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED									
surface	linear	0.1	±0.3	Amphenol FCI MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 4 Column www.fci.com					
	0.2X	±0.10							
	0.25X	±0.05							
ISO 1302	angular	0°	±2°	col. no.	-	Product	Customer Drw	sheet 4 of 6	rev C

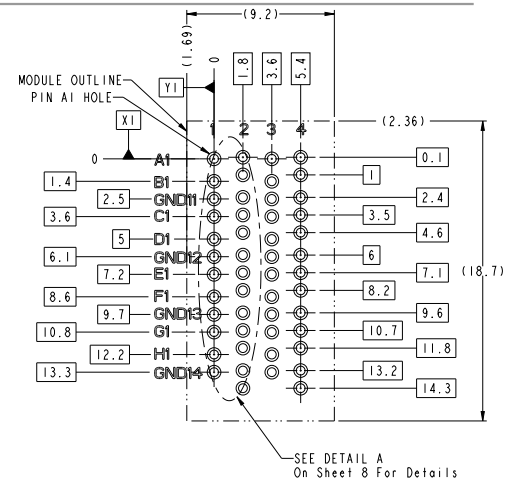
PDS: Rev -C

STATUS: Released

Printed: 10 Mar 17, 2016

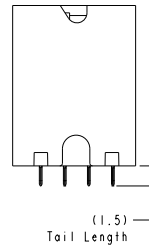
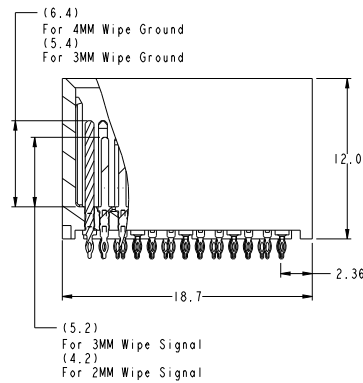
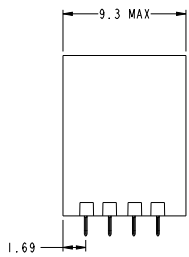


△ FOUR WALL MODULE



BP HOLE PATTERN COMPONENT SIDE

△ FOUR WALL MODULE BACKPLANE FOOTPRINT

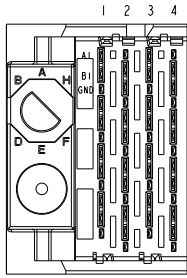


spec. ref.	-	dr.	Amphenol Ltd	proj.	mm	size	A2	scale	1:1
tolerance std	ISO 406	eng	Amphenol Ltd	app.	mm	acc. no.	-	rel. level	Released
ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr.	Amphenol Ltd	product family	-	rel. level	Released	rev	C
surface	linear	0.1	±0.3	Amphenol FCI	MODULE ASSEMBLY, XCEDE HD	deg	10120126	rev	C
ISO 1302	angular	0.1X	±0.10	www.fci.com	Vertical Header, 4 Pair 4 Column	Product	Customer Drw	sheet 5 of 6	
		0.1X	±0.05						
		0"	±2						

PDS: Rev :C

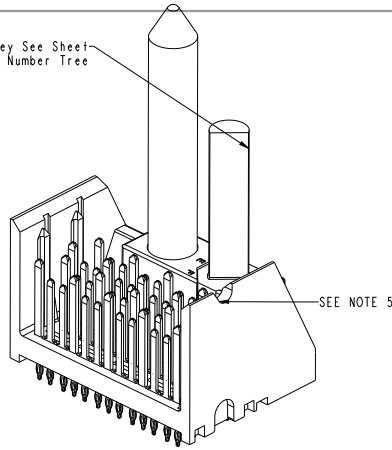
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Printed: Mar 17, 2016

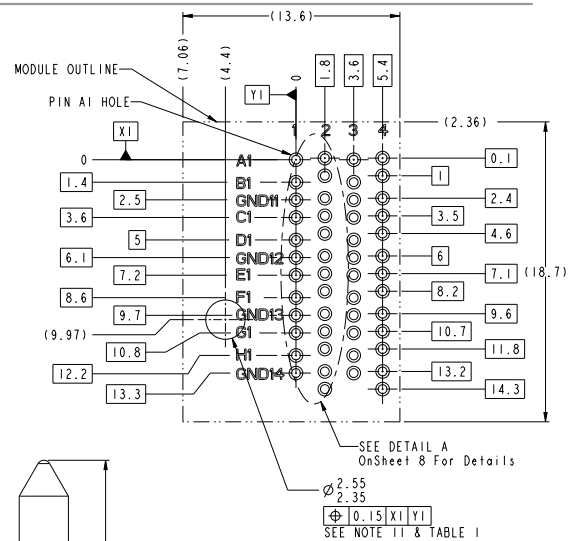


LEFT POLARIZING/GUIDE MODULE

Optional Key See Sheet 1 Part Number Tree

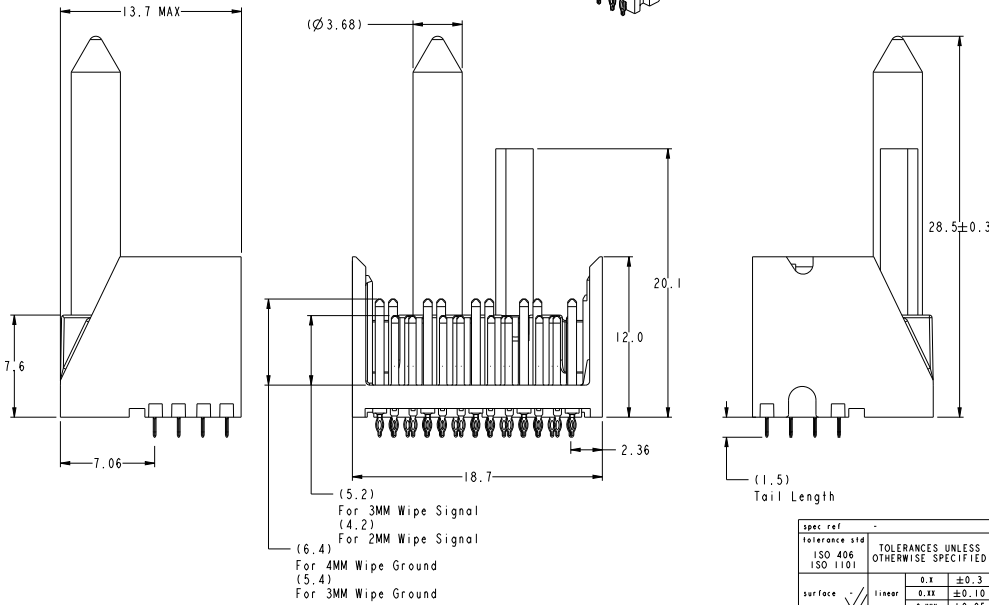


SEE NOTE 5



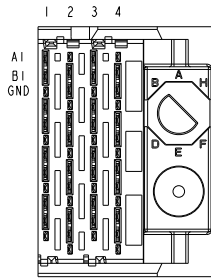
BP HOLE PATTERN COMPONENT SIDE

**LEFT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT**

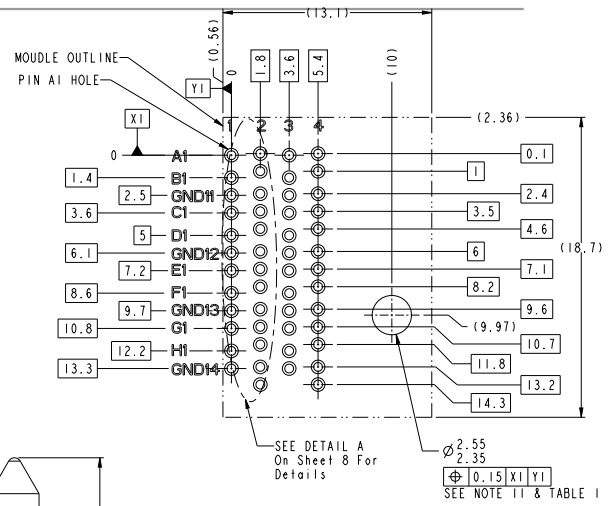
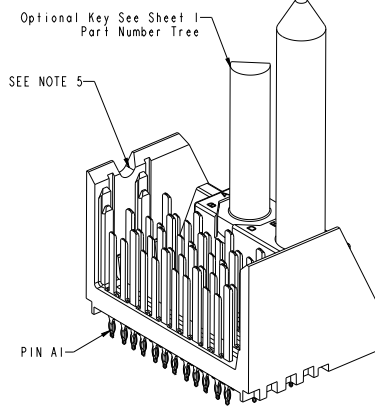


spec. ref.	-	dr.	Engineering Unit	20160305	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Engineering Unit	20160305	chr		acc. no.		rel. level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED										
surface	linear	0.1	±0.3	Amphenol FCI	MODULE ASSEMBLY, XCEDE HD	10120126	rev			
	linear	0.2X	±0.10	www.fci.com	Vertical Header, 4 Pair 4 Column					
	angular	0.2X	±0.05							
	angular	0°	±2°							
ISO 1302										
PDS: Rev C STATUS: Released Printed: Mar 17, 2016										

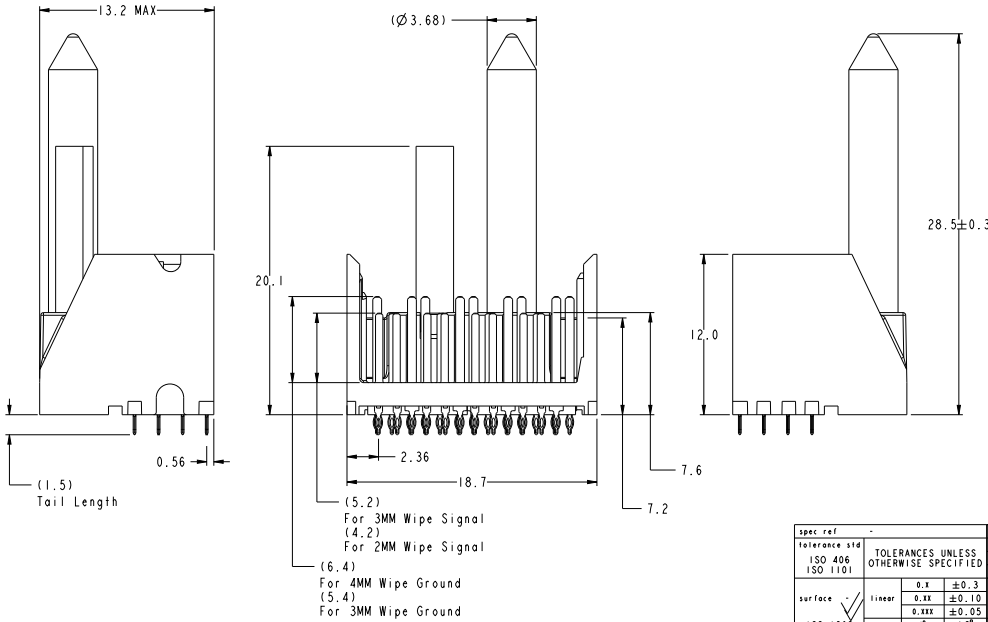
Amphenol FCI
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RIGHT POLARIZING/GUIDE MOUDLE



**RIGHT POLAIZING/GUIDE MODULE
BACKPLANE FOOTPRINT**



spec. ref. -		dr. Engineering Ltd	20160105	projection	mm	size A2	scale 1:1				
tolerance std ISO 406 ISO 1101		eng Engineering Ltd	20160105	chr		acc. no. N/A 17-01-2016	rel. level Released				
TOLERANCES UNLESS OTHERWISE SPECIFIED											
surface											
ISO 1302	linear	0.X	±0.3	Amphenol FCI	MODULE ASSEMBLY, XCEDE HD	Vertical Header, 4 Pair 4 Column	deg	10120126	rev C		
	linear	0.XX	±0.10								
	angular	0.XXX	±0.05								
angular 0° ±2°		www.fci.com								PDS: Rev :C STATUS: Released Printed: Mar 17, 2016	
ISO 1302		www.fci.com								PDS: Rev :C STATUS: Released Printed: Mar 17, 2016	
ISO 1302		www.fci.com								PDS: Rev :C STATUS: Released Printed: Mar 17, 2016	

PDS: Rev :C

STATUS: Released

Printed: Mar 17, 2016

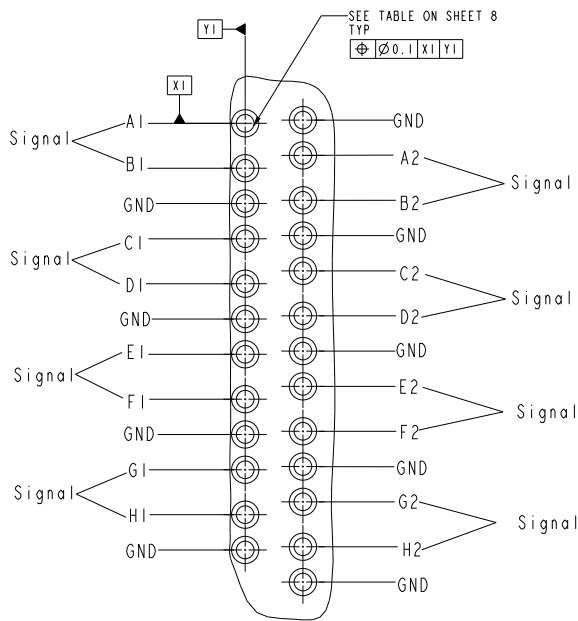
DETAIL A
SCALE 12:1

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:

1. CONNECTOR MATERIALS
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0
CONTACTS : HIGH PERFORMANCE COPPER ALLOY

2. PRODUCT SPECIFICATION : GS-12-0936

3. APPLICATION SPECIFICATION : GS-20-0348

4. PRODUCT MARKING :
PART NUMBER (10120126-X0J-XXXLF)
"FCI" AND DATE CODE (FCI P#####)

⑤ NOTCH DESIGNATES "ROW A" SIDE OF CONNECTOR. NOTCH FEATURE ON OPPOSITE FOR PRODUCT MARKING.

⑥ PLATING THICKNESS OF SIGNAL & GROUND CONTACT ARE DETERMINED BY PLATING CODE, REFER TO P/N TREE ON SHEET 1.

7. PACKAGING MEETS GS-14-920 LEAD-FREE LABELING SPECIFICATION.

⑧ 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".

⑨ SEE APPLICATION SPECIFICATION FOR ROUTING GUIDELINES, ADDITIONAL PTH GUIDELINES, MATED DIMENSIONS, GUIDE PIN SELECTION, ETC.

10. A Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

⑪ OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.

⑫ SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.

spec. ref.	-	dr.	Amphenol Ltd	20160105	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	chr	20160105	acc no	-	rel level	Released	rev	C
TOLERANCES UNLESS OTHERWISE SPECIFIED										
surface	linear	0.1	± 0.3	Amphenol FCI	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 4 Column	10120126	Customer Drw	sheet 8 of 8	PDS: Rev C	STATUS: Released
	angular	0.1X	± 0.10							
	angular	0.1X	± 0.05							
ISO 1302	angular	0°	$\pm 2°$	www.fci.com	col. no.	-	Product	Customer Drw	Printed: Mar 17, 2016	