

Excellent Integrated System Limited

Stocking Distributor

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

[FCI](#)
[10115130-001LF](#)

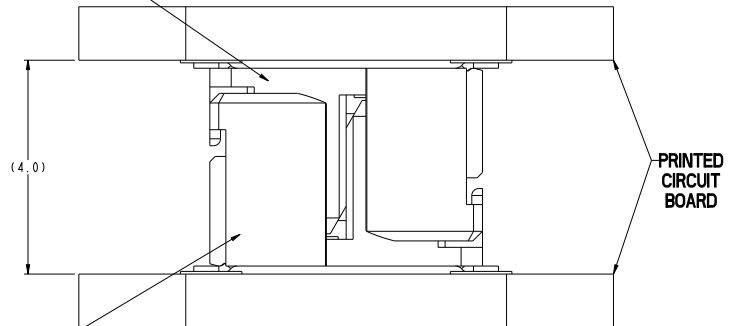
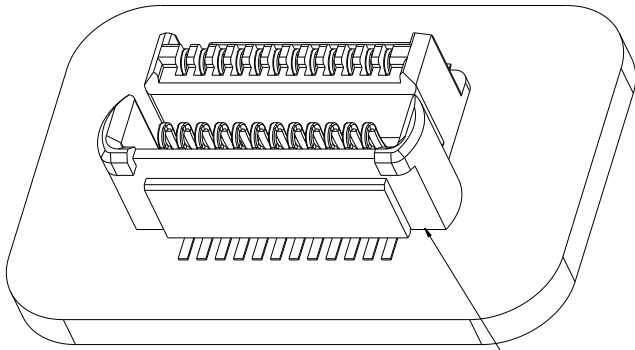
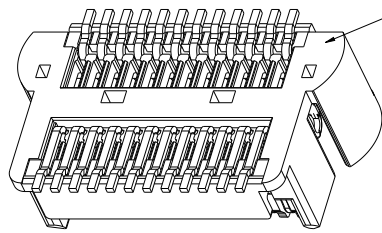
For any questions, you can email us directly:

sales@integrated-circuit.com

PRODUCT NUMBER

10115130-001LF

10115130-001LF
HERMAPHRODITIC CONNECTOR
ASSEMBLY



10115130-001LF
HERMAPHRODITIC CONNECTOR
ASSEMBLY

PRINTED
CIRCUIT
BOARD

spec ref	---	dr	See Memo	20160208	projection	mm	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	Sheng-Jian	20160208		product family	MezzoStack	ech no	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED										
surface	linear	0.1	±0.3		HERMAPHRODITIC CONNECTOR, SPECIAL	24 POS, 0.5MM CTR, 4MM STACK HT	10115130	rev	G	
		0.2X	±0.10							
		0.25X	±0.05							
	ASME Y14.5	angular	0°							
5	PDS: Rev:G			STATUS:Released			Printed: R06.05.2016			

PDS: Rev :G

STATUS: Released

Printed: Feb 05, 2016

Product - Rev C - 2009 06 09

2

3

4

5

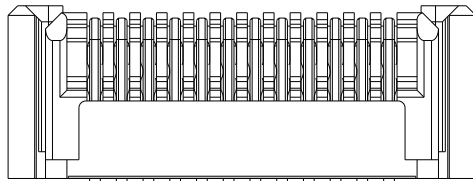
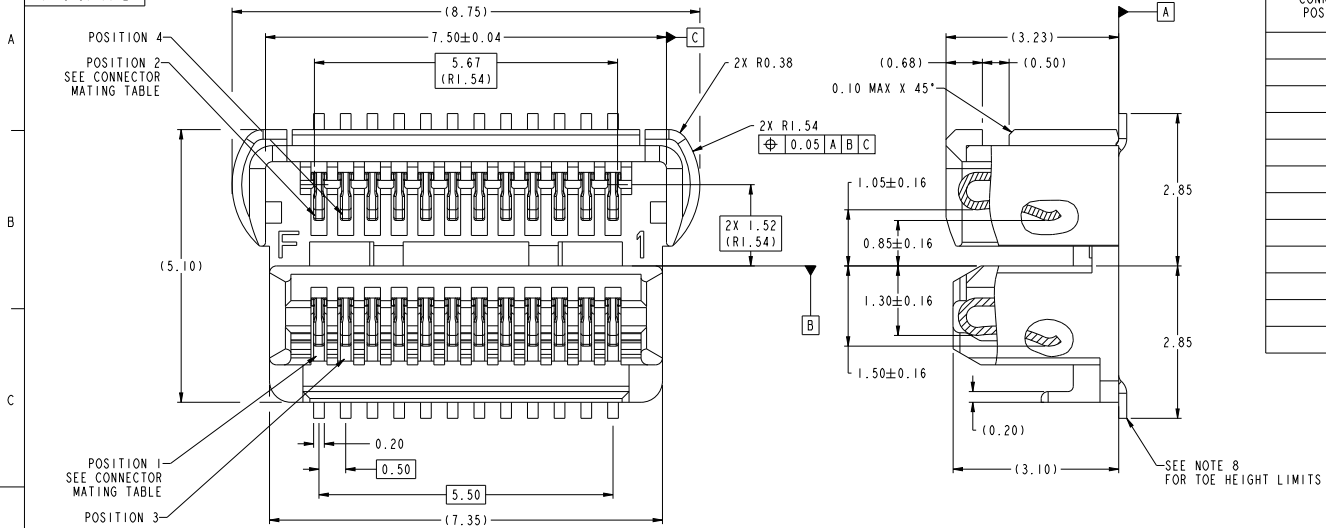
PDS: Rev :G

STATUS: Released

Printed: Feb 05, 2016

PRODUCT NUMBER
10115130-001LF

HERMAPHRODITIC CONNECTOR MATING	
CONNECTOR POSITION	MATES WITH CONNECTOR POSITION
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24



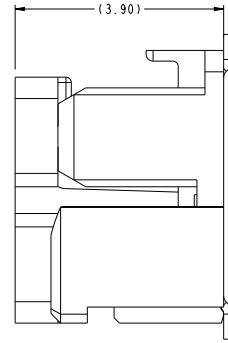
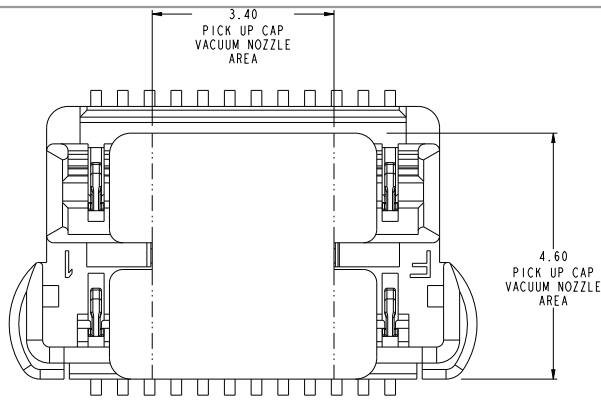
10115130-001LF SHOWN
WITHOUT STANDARD PICK-UP CAP

spec ref	---	dr	Rev 000001	projection	mm	size	A2	scale	20:1
tolerance std	ASME Y14.5	eng	Rev 000001	product family	MezzoStack	rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED									
surface	linear	0.1	±0.3	HERMAPHRODITIC CONNECTOR, SPECIAL 24 POS, 0.5MM CTR, 4MM STACK HT					
		0.2X	±0.10						
		0.25X	±0.05						
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	Product	Customer Drw	sheet 2 of 8	rev

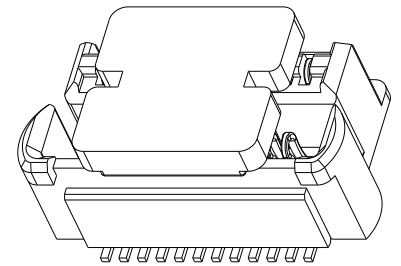
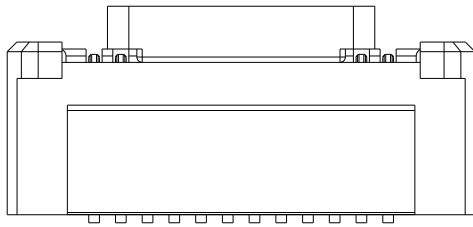
PDS: Rev -G

STATUS: Released

Printed: Feb 05, 2016



10115130-001LF SHOWN
WITH STANDARD PICK-UP CAP



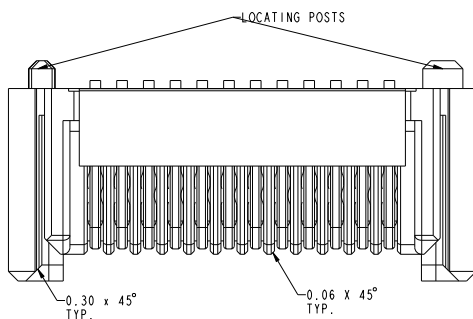
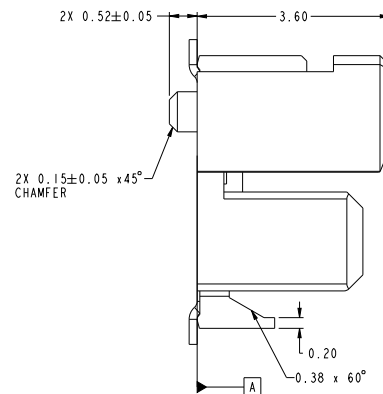
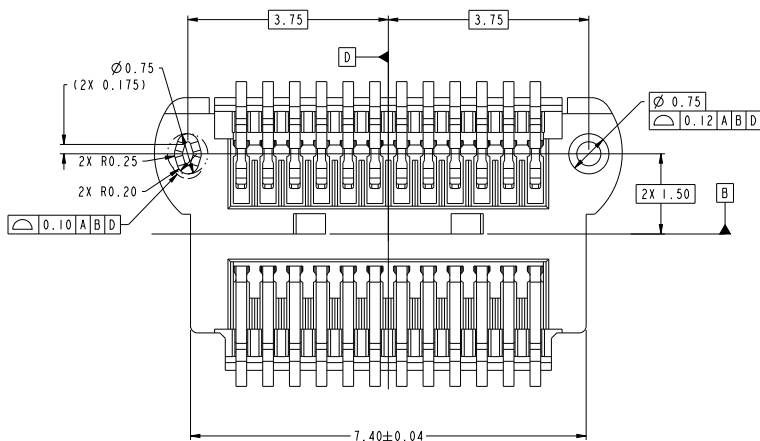
spec ref	---	dr	Rev 000001	projection	mm	size	A2	scale	20:1				
tolerance std	ASME Y14.5	eng	Sheng-Hong Chen	chr	ENG/CHN	acc no	10115130-001LF	rel level	Released				
TOLERANCES UNLESS OTHERWISE SPECIFIED													
		appr	Sheng-Hong Chen	product family	MezzoStack								
surface	linear	0.1	±0.3	HERMAPHRODITIC CONNECTOR, SPECIAL 24 POS, 0.5MM CTR, 4MM STACK HT									
		0.2X	±0.10										
		0.2X	±0.05										
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw	sheet 3 of 8	rev	G				
5	PDS: Rev:G			STATUS:Released			Printed: R06.05.2016						

PDS: Rev -G

STATUS: Released

Printed: Feb 05, 2016

PRODUCT NUMBER	LOCATING POSTS OPTION
10115130-003LF	WITH LOCATING POSTS
10115130-004LF	WITHOUT LOCATING POSTS



10115130-003LF DIMENSIONS ARE SHOWN
THE OTHER DIMENSIONS ARE THE SAME AS DIMENSIONS OF 10115130-001LF

10115130-004LF IS SAME AS 10115130-003LF EXCEPT WITHOUT LOCATING POSTS

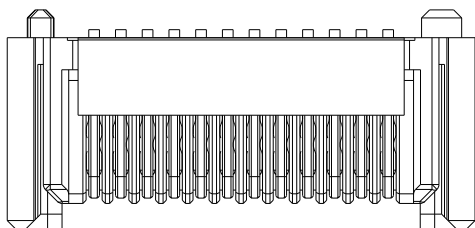
spec ref	---	dr	Rev 000001	projection	mm	size	A2	scale	20:1						
tolerance std	ASME Y14.5	eng	Rev 000001	chr	---	acc no	---	rel level	Released						
TOLERANCES UNLESS OTHERWISE SPECIFIED															
<table><tr><td>0.1</td><td>±0.3</td></tr><tr><td>0.25</td><td>±0.10</td></tr><tr><td>0.5X</td><td>±0.05</td></tr></table>										0.1	±0.3	0.25	±0.10	0.5X	±0.05
0.1	±0.3														
0.25	±0.10														
0.5X	±0.05														
surface	linear	0.1	±0.3	FCI	HERMAPHRODITIC CONNECTOR, SPECIAL	24 POS, 0.5MM CTR, 4MM STACK HT	10115130	rev	G						
ASME Y14.5	angular	0°	±2°	www.fci.com	col. no.	---	Product - Customer Drw	sheet 4 of 6							
5	PDS: Rev:G		STATUS:Released				Printed: Rdb 05, 2016								

PDS: Rev -G

STATUS: Released

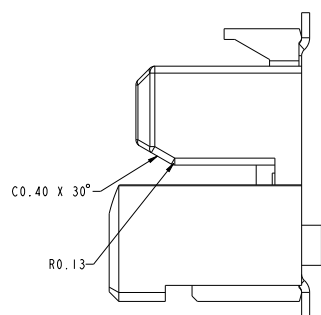
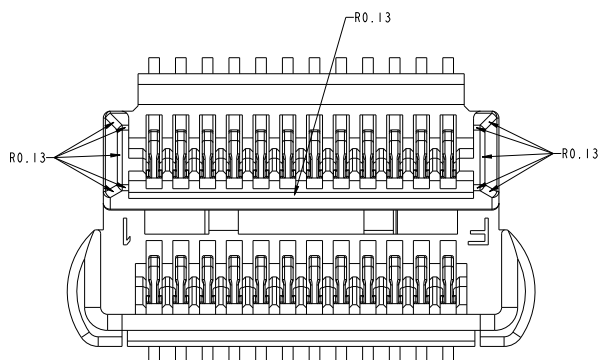
Printed: Feb 05, 2016

PRODUCT NUMBER	LOCATING POSTS OPTION	ROUND FILLET ON HOUSING GUIDING FEATURE
10115130-005LF	WITH LOCATING POSTS	WITH
10115130-005MLF		
10115130-006LF	WITHOUT LOCATING POSTS	WITH
10115130-006MLF		



10115130-005LF/-005MLF DIMENSIONS ARE SAME AS DIMENSIONS OF 10115130-003LF EXCEPT BELOW DIMENSIONS SHOWN

10115130-006LF/-006MLF DIMENSIONS ARE SAME AS DIMENSIONS OF 10115130-004LF EXCEPT BELOW DIMENSIONS SHOWN



10115130-005LF/-005MLF SHOWN
WITHOUT PICK-UP CAP

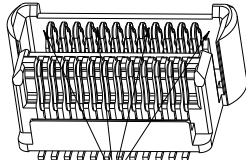
spec. ref.	---	dr.	See Memo	projection	mm	size	A2	scale	20:1
tolerance std.	---	eng.	Standard Unit	chp	---	acc. no.	---	rel. level	Released
---	---	appr.	See Memo	product family	MezzoSlot	rel. level	Released	---	---
surface	✓	linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	FCI	HERMAPHRODITIC CONNECTOR, SPECIAL	24 POS, 0.5MM CTR, 4MM STACK HT	10115130	rev	G
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	---	Product - Customer Drw	sheet 5 of 6	---

PDS: Rev :G

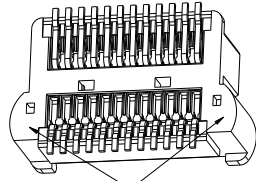
STATUS: Released

Printed: Feb 05, 2016

10115130-001LF

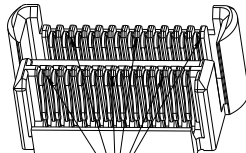


WITHOUT RIBS ON THIS WALL

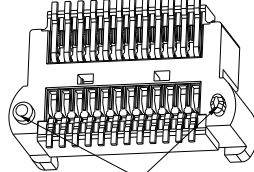


WITHOUT LOCATING POSTS

10115130-003LF

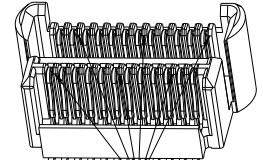


WITH DUAL ROW RIBS

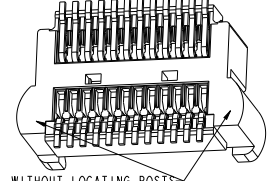


WITH LOCATING POSTS

10115130-004LF



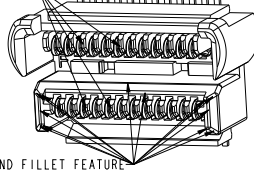
WITH DUAL ROW RIBS



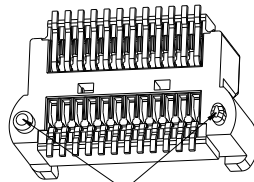
WITHOUT LOCATING POSTS

10115130-005LF/-005MLF

WITH DUAL ROW RIBS



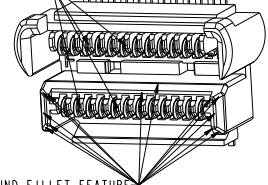
ROUND FILLET FEATURE



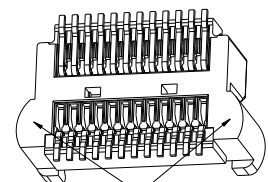
WITH LOCATING POSTS

10115130-006LF/-006MLF

WITH DUAL ROW RIBS



ROUND FILLET FEATURE



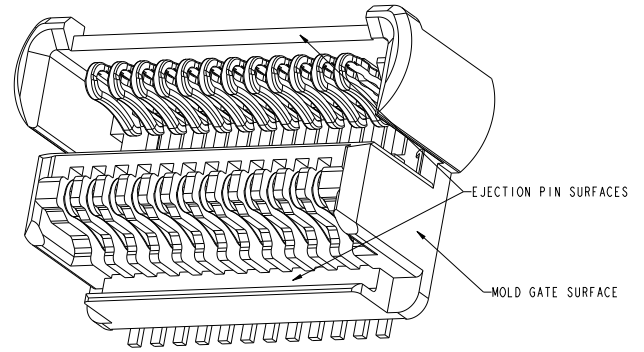
WITHOUT LOCATING POSTS

spec ref	---	dr	See Memo	revision	00000000	projection	mm	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	See Memo	chr	00000000	product family	MezzoStack	acc no	00000000	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED											
surface	linear	0.1	±0.3		HERMAPHRODITIC CONNECTOR, SPECIAL	24 POS, 0.5MM CTR, 4MM STACK HT	www.fci.com	cat. no.	Product	Customer Drw	sheet 6 of 9
	0.2X	±0.10									
	0.3X	±0.05									
ASME Y14.5	angular	0°	±2°								

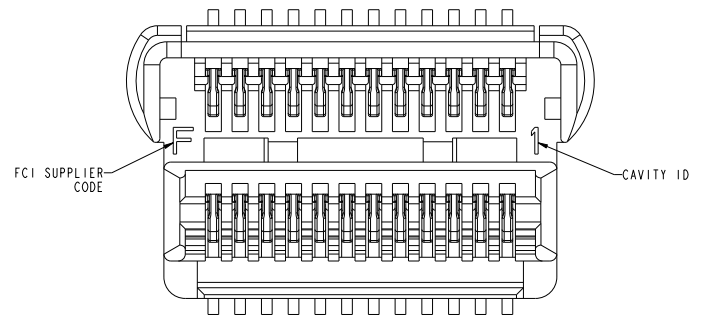
RECOMMENDED PCB LAYOUT
SEE NOTE 9 FOR STENCIL CREATION GUIDELINES

NOTES

- 1 - MATERIAL:
HOUSING - LCP, UL94-V0.
CONTACTS:
CONTACT PLATING:
SEPARABLE INTERFACE: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS
OF FCI PRODUCT SPECIFICATION GS-12-577.
SOLDER TAILS: 0.10um Au.
- 2 - RECOMMENDED LEAD FREE SOLDER PASTE THICKNESS 150um.
- 3 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR
30 SECONDS IN A CONVECTION INFRA RED OR VAPOR PHASE REFLOW OVEN.
SEE APPLICATION SPECIFICATION.
- 4 - THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY
REGULATION AS DESCRIBED IN GS-22-008
- 5 - PACKAGING TAPE AND REEL PACKAGING SPECIFICATION GS-14-1320
- 6 - PRODUCT SPECIFICATION GS-12-577
- 7 - LEAD CO-PLANARITY TO BE 0.08MM MAX.
- 8 - THE TOE HEIGHT OF THE SOLDER TAIL SHALL BE MEASURED FROM THE LOWEST POINT OF THE 0.08 COPLANARITY
PLANE. THIS MEASUREMENT SHALL NOT EXCEED A WINDOW OF 0.00 TO 0.10MM.
- 9 - REFER TO IPC 7525-A FOR STENCIL CREATION
- 10 - THE MAXIMUM TEMPERATURE RISE DUE TO A 1.0 AMPERE DC CURRENT FLOWING THROUGH ANY 2 ADJACENT CONTACTS
AND 200 MILLIAMPERE DC CURRENT FLOWING THROUGH ALL REMAINING CONTACT SHALL NOT EXCEED 30°C WHEN TESTED
AS PER FCI PRODUCT SPECIFICATION GS-12-577



10115130-001LF SHOWN
WITHOUT STANDARD PICK-UP CAP



spec ref	---	dr	See Memo	revision	00000000	projection		mm	size	A2	scale	20:1
tolerance std	ASME Y14.5	eng	See Memo	chp	00000000	product family	MezzoStack	rel level	Released	rev	G	
TOLERANCES UNLESS OTHERWISE SPECIFIED												
surface	linear	0.1	±0.3		HERMAPHRODITIC CONNECTOR, SPECIAL	24 POS, 0.5MM CTR, 4MM STACK HT		10115130	rev	G	sheet 8 of 8	
		0.2X	±0.10									
		0.25X	±0.05									
		angular	0°									
ASME Y14.5		0°	±2°	www.fci.com	cat. no.	-	Product	Customer Drw	Printed: Feb 05, 2016			
5	PDS: Rev:G		STATUS:Released			Printed: Feb 05, 2016						

PDS: Rev:G

STATUS: Released

Printed: Feb 05, 2016

PRODUCT NUMBER CODE;
(MANUFACTURING SITE: DONGGUAN)

10115130 - 0 0

RESERVED

* LF

LEAD FREE

- 1: SINGLE ROW RIBS
WITHOUT LOCATING POSTS
HOUSING COLOR, BLACK
- 3: DUAL ROW RIBS
WITH LOCATING POSTS
HOUSING COLOR, WHITE
- 4: DUAL ROW RIBS
WITHOUT LOCATING POSTS
HOUSING COLOR, WHITE
- 5: DUAL ROW RIBS
WITH LOCATING POSTS
HOUSING COLOR, WHITE
ROUND FILLET ON HOUSING GUIDING FETURE
- 6: DUAL ROW RIBS
WITHOUT LOCATING POSTS
HOUSING COLOR, WHITE
ROUND FILLET ON HOUSING GUIDING FETURE

PRODUCT NUMBER CODE;
(MANUFACTURING SITE: MALAYSIA)

10115130 - 0 0

RESERVED

* M LF

LEAD FREE

MANUFACTURING SITE

- 5: DUAL ROW RIBS
WITH LOCATING POSTS
HOUSING COLOR, WHITE
ROUND FILLET ON HOUSING GUIDING FETURE
- 6: DUAL ROW RIBS
WITHOUT LOCATING POSTS
HOUSING COLOR, WHITE
ROUND FILLET ON HOUSING GUIDING FETURE

spec. ref.	---	dr.	See Memo	20160508	projection	mm	size	A2	scale	1:1						
tolerance std.	---	eng.	Sheng-Han	20160508		←	acc. no.	MezzoSIak	rel. level	Released						
---	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr.	See Memo	20160508	product family	MezzoSIak	rel. level	Released								
---		appr.	Wei-Ming Chung	20160508	FCI	HERMAPHRODITIC CONNECTOR, SPECIAL	deg	10115130	rev	G						
surface	linear	0.1	±0.3	0.2X	±0.10	0.25X	±0.05	ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	24 POS, 0.5MM CTR, 4MM STACK HT	Product - Customer Drw	sheet 9 of 9

PDS: Rev :G

STATUS: Released

Printed: 05, 2016