



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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DESCRIPTION

Connector especially designed for SMT technology
EMV compatible and in accordance with ISO 7816-2

MECHANICAL

Contacts force : between 0.2N-0.5N
Durability : 7500 cycles
Insertion force : 10N max
Extraction force : 3N min

ELECTRICAL

Insulation resistance : 1000MOhms
Dielectric withstand voltage between card contacts and detection switch : 1000 Vrms
contact resistance:100 milliohms
Current carrying : min 10 micro A max 1A

SWITCH

Switch : Normally Open
Contact closed : contact resistance 100mOhms
Open contact : voltage proof 300Vms
The switch contacts are self cleaning.

MATERIAL

Contacts : copper alloy
Plating : Gold over Nickel or Equivalent on contact area
Solder tails : Sn bare edge allowed
Housing : self extinguishing, Thermoplastic
UL94-V0 rated

ENVIRONMENT

Storage temperature : -40°C, +85°C
Operating temperature : -20°C, +70°C
Packaging : Tray
Compatible reflow soldering process

NOTE: RoHS INFORMATIONS

- The "LF" products meet European Union Directives and other country regulations as described in GS-22-008.
- The housing will withstand exposure to 260°C peak temperature for 30 seconds in a convection, infra-red or vapor reflow oven. See Application notes/procedures, if they are available.
- Packaging spec: see gs-14-920

FCI : LEAD FREE CATALOGUE NUMBER

10071782-001LF

SECTION A-A
SCALE 10:1

Pick and place area

SCALE 2:1

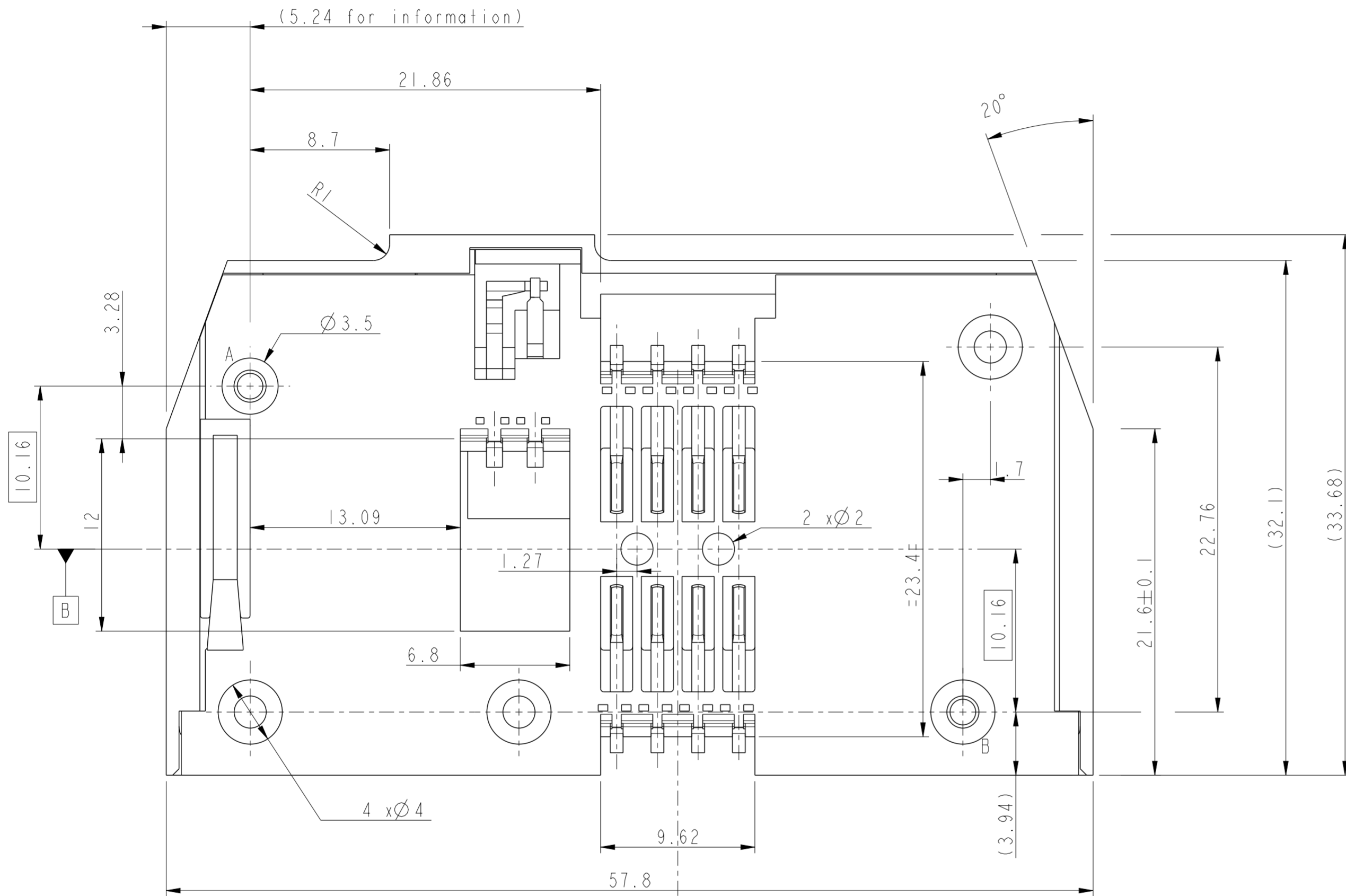
www.fciconnect.com		surface -- ✓	tolerance std ISO 1302 ISO 406 ISO 1101	projection	mm
TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	P.K RAMESH	2009/05/07	ANGULAR	0.x ±0.3	size A2 Scale 3:1
Eng	P.K RAMESH	2009/05/07	LINEAR	0.xx ±0.1	
Chr	V. SUDHIR	2009/05/07	0° ±2°	0.xxx ±0.05	ECN 110-0219
Appr	V. SUDHIR	2009/05/07	Product family	MOBILE I/O	Spec ref --
FCI CHIP CARD CONNECTOR				kg no	10071782
TYPE : P02 (8cts with cover)				Rev.	B
catalog no 10071782-001LF				CUSTOMER	sheet 1 of 2

rev	ecn no	dr	date
A	109-0072	RPK	2009/05/07
B	110-0219	RPK	2010/09/23



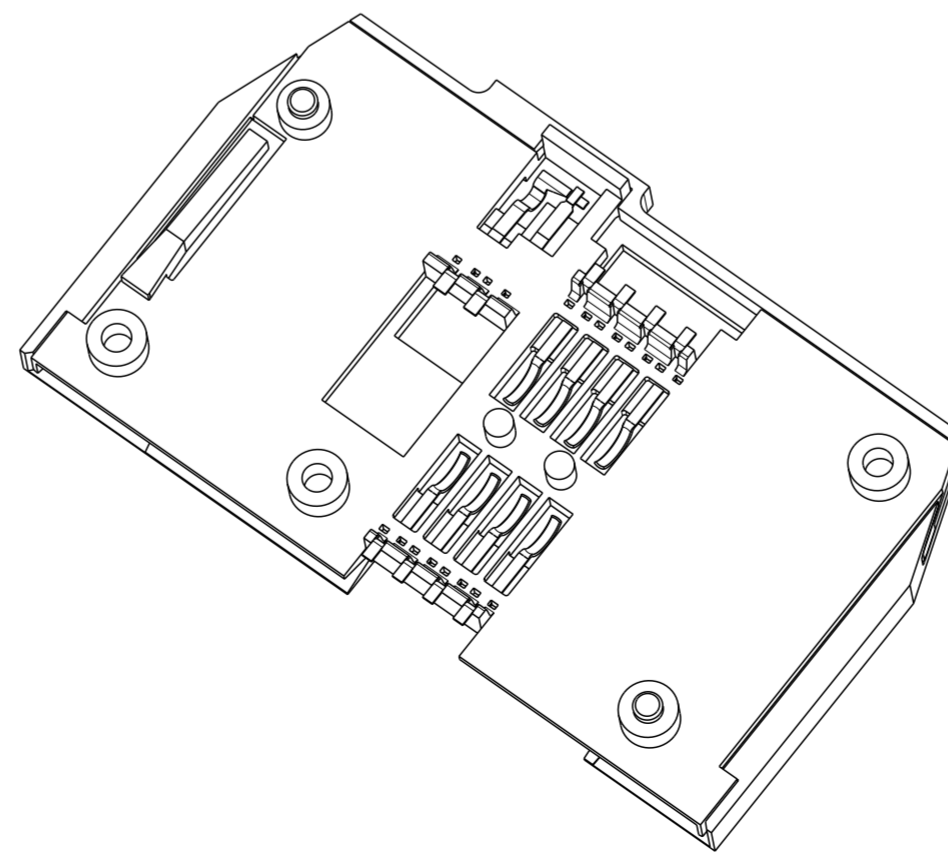
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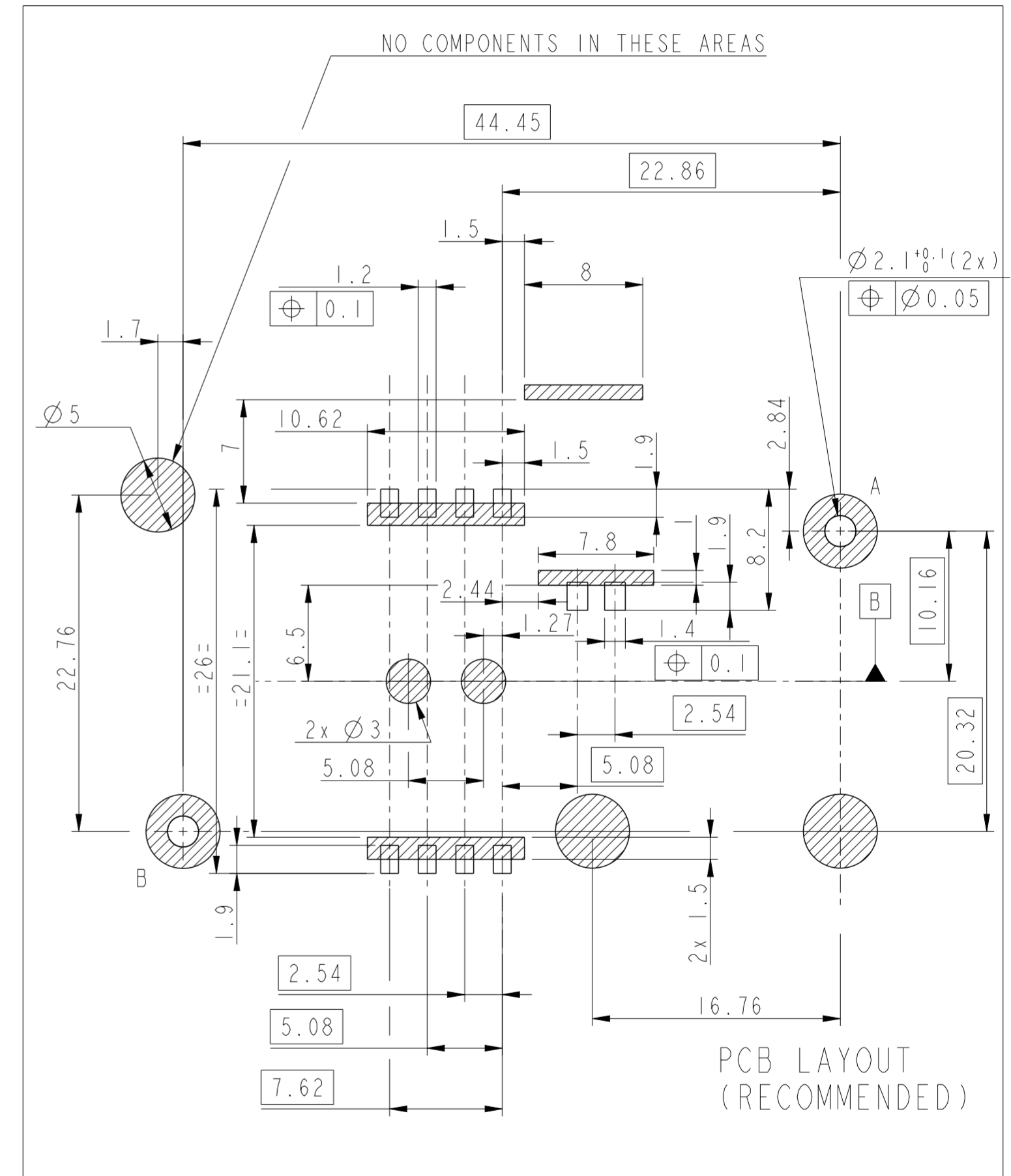


LAYOUT FOR KEEP OUT ZONE
(CONNECTOR SIDE)

for other dimensions see sheet N^o 1



SCALE 2:1



PCB LAYOUT
(RECOMMENDED)

www.fciconnect.com		surface	--	tolerance std	ISO 1302	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	P.K RAMESH	2009/05/07	ANGULAR	0.x	±0.3	size	A2	Scale	4:1
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Chr	V. SUDHIR	2009/05/07	0° ±2°	0.xxx	±0.05	Product family	MOBILE I/O	Rev.	B
Appr	V. SUDHIR	2009/05/07			catalog no	10071782-001LF	CUSTOMER	sheet 2 of 2	
		TITLE		CHIP CARD CONNECTOR		dwg no		10071782	
		TYPE		P02 (8cts with cover)		Rev.		B	