

PRODUCT NO.	APPEARANCE	COMPONENTS	FPC	EJECT	PACKAGING	MAIN BODY	REMARK
55640-10101(LF)	BLUE	N/A	52534-002(LF)	55644-001	340391-001	55641-001	
55640-20301(LF)	BLUE	N/A	10115336-001	55644-001	340391-101	55641-001	
55640-23201(LF)	BLUE	10018024-001	52534-004(LF)	55644-001	340391-201	55641-002	
55640-20201(LF)	BLUE	N/A	52534-004(LF)	55644-001	340391-201	55641-002	
55640-20202(LF)	BLUE	10062236-001	52534-004(LF)	55644-001	10062267-02-001	55641-002	
55640-23301(LF)	BLUE	10018024-001	52534-006(LF)	55644-001	340391-201	55641-002	
55640-20211(LF)	BLUE	N/A	52534-004(LF)	55644-002	340391-201	55641-003	FOR MOTOROLA
55640-30201(LF)	BLUE	N/A	10093563-001<FFC>	55644-002	340391-201	55641-002	FOR MITAC



A

A

B

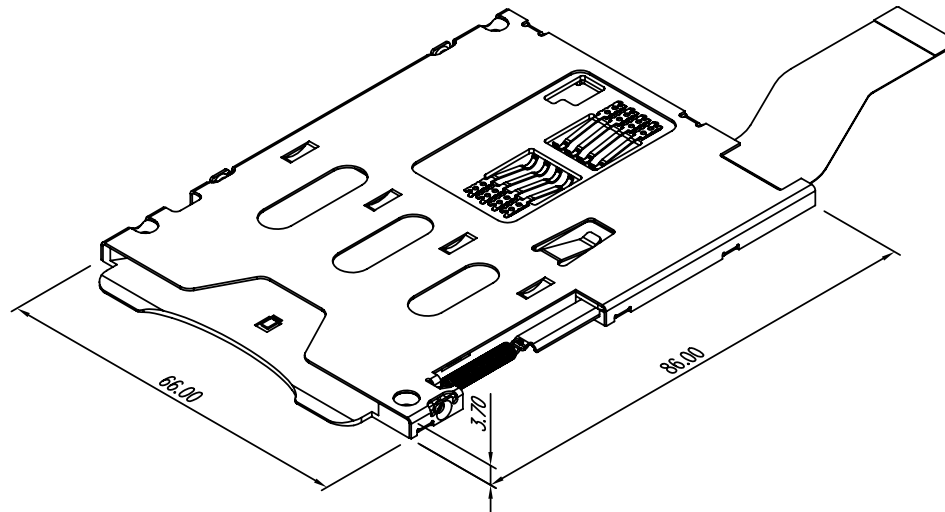
B

C

C

D

D



NOTE :

- SMART CARD READER FOR LOWER PROFILE HEIGHT OF 3.6 mm.
- TOTAL CIRCUIT RESISTANCE PER ONE LOOP SHALL NOT EXCEED 200 MILLIOHMS.
- THE INSERTION & EJECTING FORCE < 650g.
- MATERIALS :
CONTACTS : COPPER ALLOY, GOLD OVER NICKEL ON CONTACT AREA.
HOUSING : THERMOPLASTIC POLYCARBONATE.
COVER : STAINLESS STEEL.
- ENVIRONMENT :
STORAGE TEMPERATURE : FROM -40°C TO 85°C.
OPERATION TEMPERATURE : FROM -20°C TO 70°C.
- ORDER DATAS : 55640-X X X X X LF
 - LEAD FREE OPTION
 - PACKAGING
 - EJECT
 - FPC SHAPE
 - CUSTOMIZED COMPONENTS OPTIONS
 - GUIDE PLATE
- IF LEAD FREE P/N, GS-14-920 SHOULD BE APPLIED.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

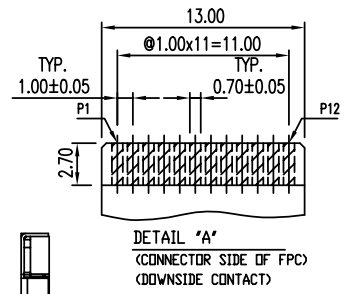
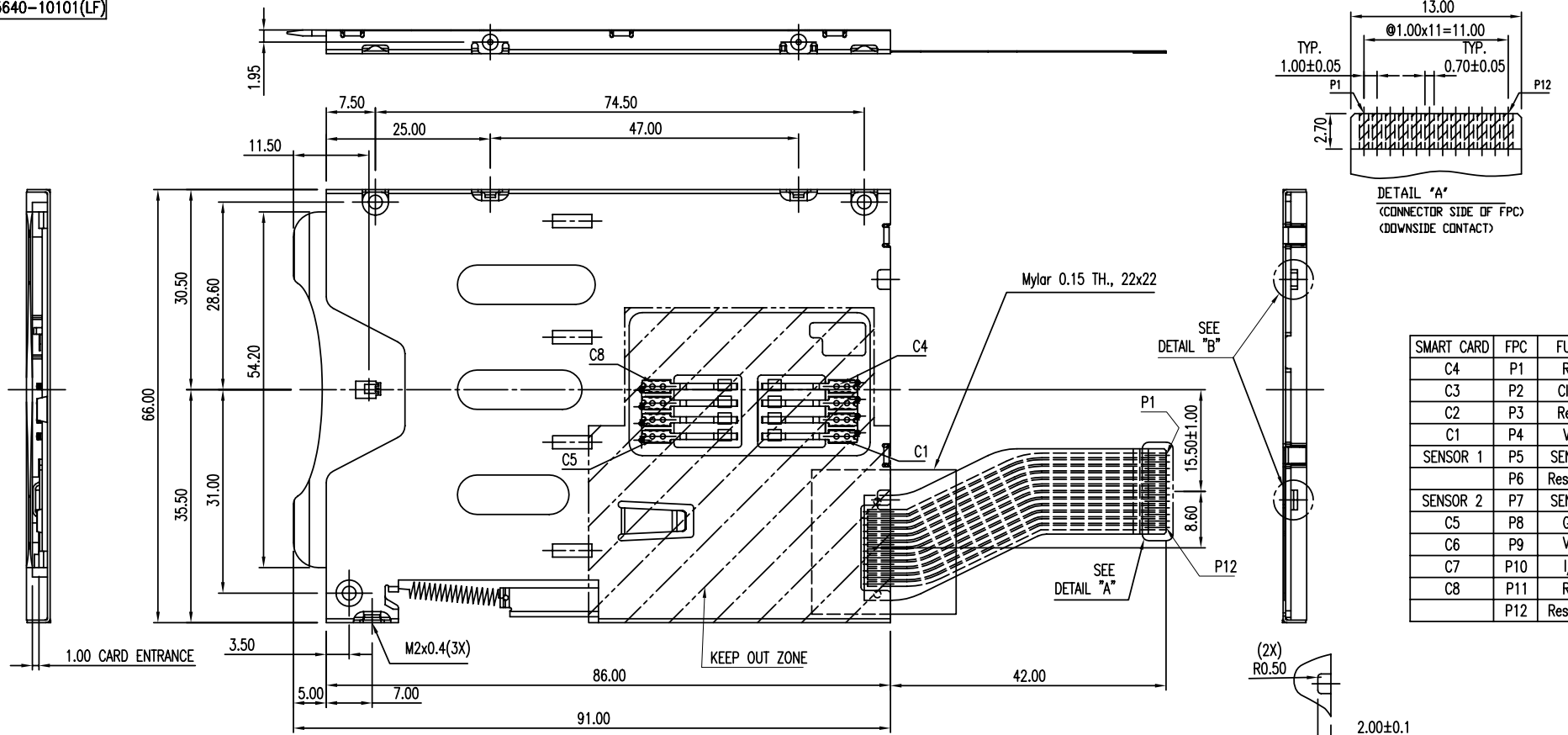


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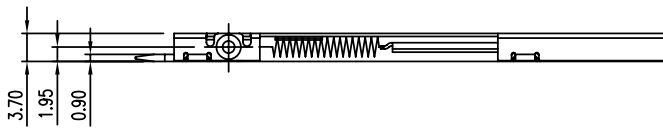
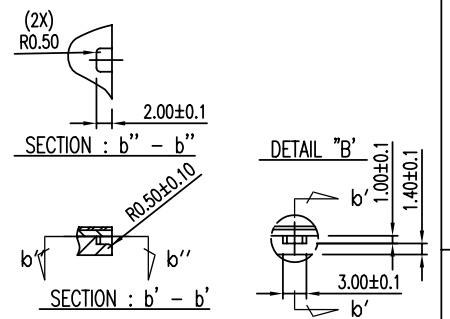
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J	N08-0158	SH	08/01/08
K	N09-0283	SH	26/08/09
L	N10-0227	SH	19/07/10
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-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com		surface 6.4 ISO 1302	tolerance std ISO 406 ISO 1101	projection 	
		TOLERANCES UNLESS OTHERWISE SPECIFIED		size A4	Scale 1.000
Dr	A. JUANG	9/4/00	ANGULAR	0.X ±0.3	ECN
Eng	MINERVA WANG	9/4/00	LINEAR	0.XX ±0.15	
Chr	JOSEPH HSIA	9/4/00	0° ±2°	0.XXX ±0.05	Spec ref
Appr	JENN TSAD	9/4/00	Product family		
		title SMART PLUS B ASSEMBLY		dwg no 55640	Rev. L
catalog no		CUSTOMER		sheet 1 of 7	

PRODUCT NO.
55640-10101(LF)



SMART CARD	FPC	FUNC.
C4	P1	RFU
C3	P2	Clock
C2	P3	Reset
C1	P4	Vcc
SENSOR 1	P5	SENSOR
	P6	Reserved
SENSOR 2	P7	SENSOR
C5	P8	Gnd
C6	P9	Vpp
C7	P10	I/O
C8	P11	RFU
	P12	Reserved



ENTRANCE RECOMMEND

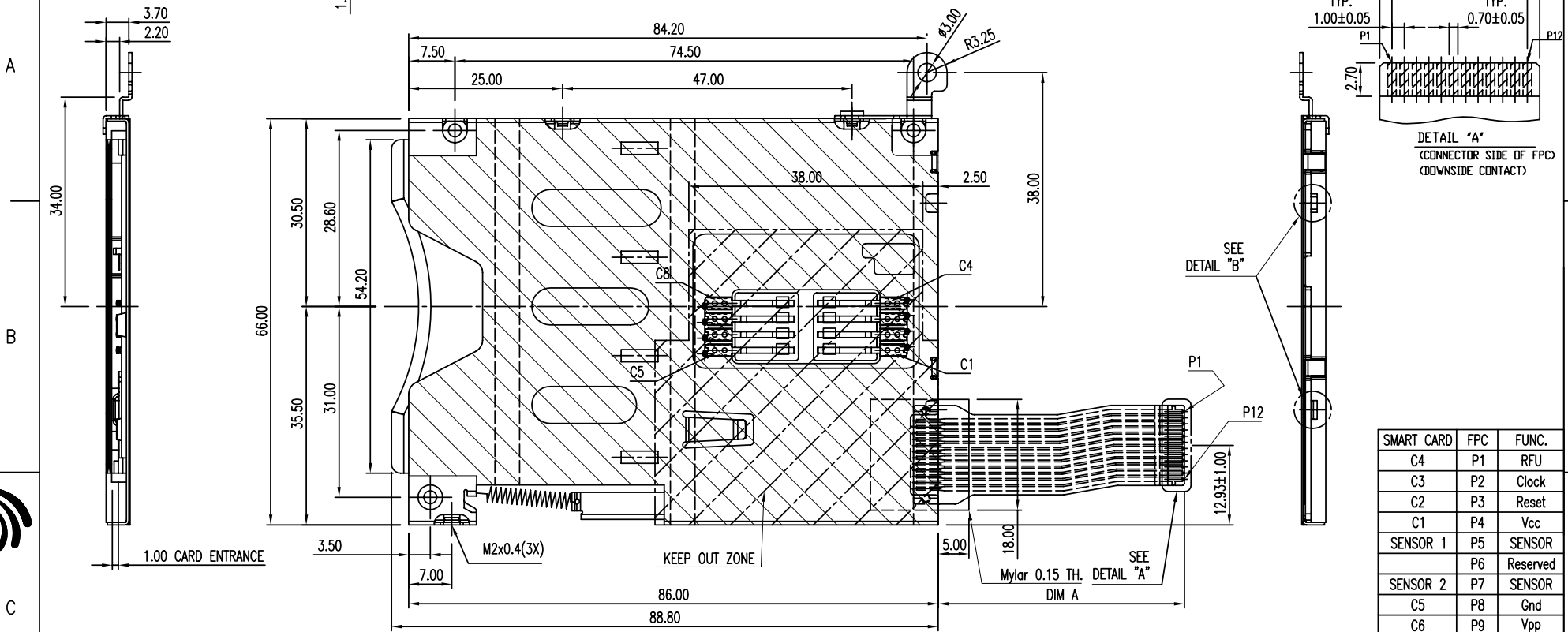
www.fciconnect.com		surface ISD 1302 ✓	tolerance std ISD 406 ISD 110	projection ⊕
TOLERANCES UNLESS OTHERWISE SPECIFIED		ANGULAR	LINEAR	size A4
Dr	A. JUANG	9/4/00	0.X ±0.3	Scale 1.000
Eng	MINERVA WANG	9/4/00	0.XX ±0.15	ECN
Chr	JOSEPH HSIA	9/4/00	0.XXX ±0.05	Spec ref
Appr	JENN TSAD	9/4/00	Product family	
FCI title SMART PLUS B ASSEMBLY		dwg no 55640		Rev. L
catalog no		CUSTOMER	sheet 2 of 7	



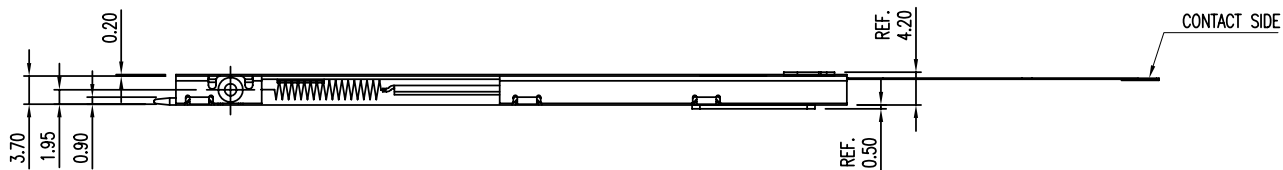
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REV F - 2008-04-17

PRODCUT NO.	DIM A
55640-23201(LF)	40
55640-23301(LF)	60



SMART CARD	FPC	FUNC.
C4	P1	RFU
C3	P2	Clock
C2	P3	Reset
C1	P4	Vcc
SENSOR 1	P5	SENSOR
	P6	Reserved
SENSOR 2	P7	SENSOR
C5	P8	Gnd
C6	P9	Vpp
C7	P10	I/O
C8	P11	RFU
	P12	Reserved

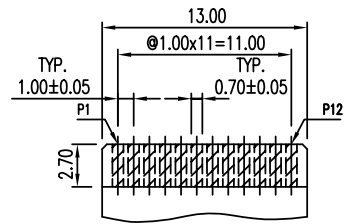
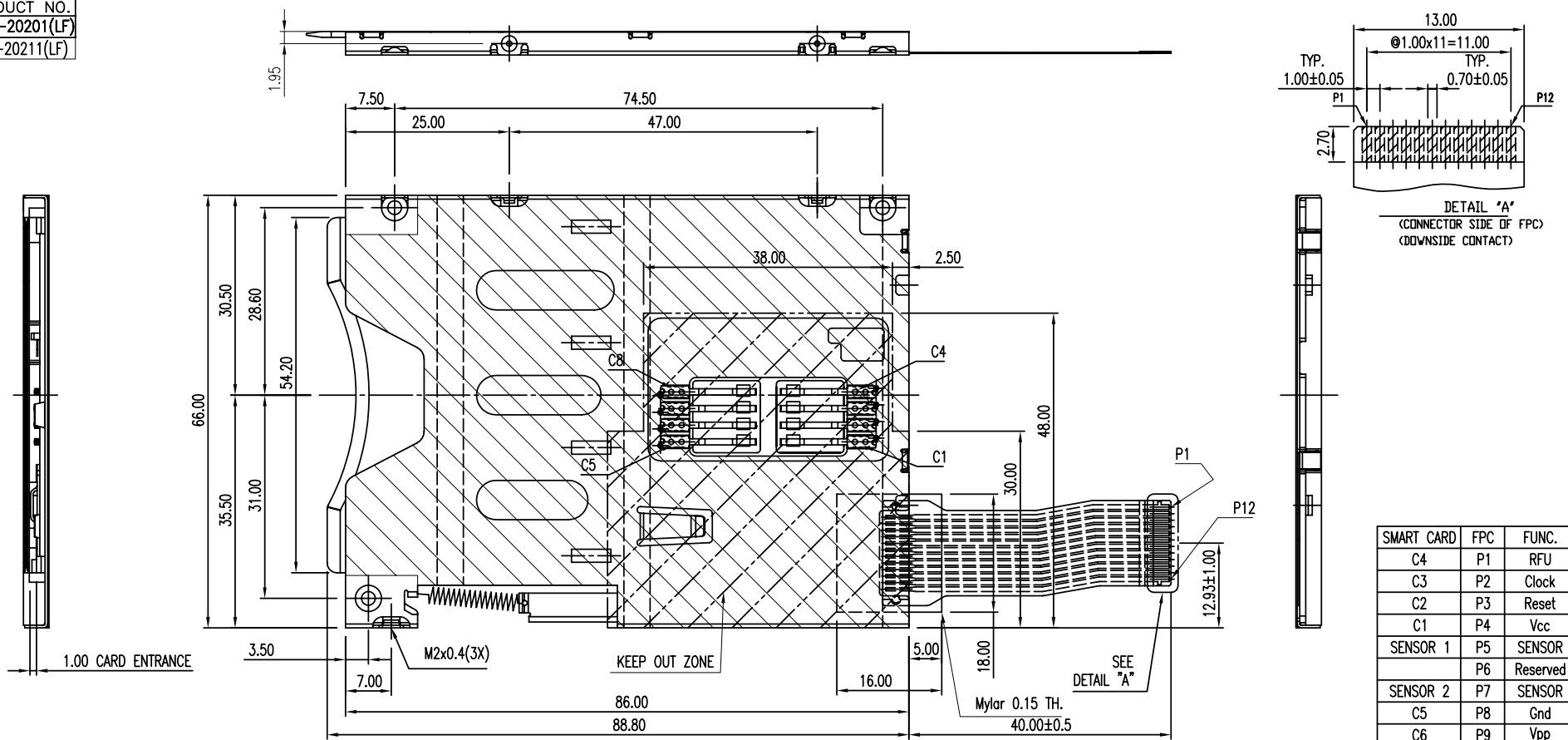


ENTRANCE RECOMMEND

www.fciconnect.com		surface ISD 1302 ✓	tolerance std ISD 406 ISD 1101	projection ⊕
		TOLERANCES UNLESS OTHERWISE SPECIFIED		size A4
Dr	A. JUANG	9/4/00	ANGULAR	0.X ±0.3
Eng	MINERVA WANG	9/4/00	LINEAR	0.XX ±0.15
Chr	JOSEPH HSIA	9/4/00	0° ±2°	0.XXX ±0.05
Appr	JENN TSAD	9/4/00	Product family	ECN
title SMART PLUS B ASSEMBLY				Spec ref
catalog no				no 55640
CUSTOMER				sheet 3 of 7
				Rev. L

REV F - 2009-04-17

PRODUCT NO.
55640-20201(LF)
55640-20211(LF)



SMART CARD	FPC	FUNC.
C4	P1	RFU
C3	P2	Clock
C2	P3	Reset
C1	P4	Vcc
SENSOR 1	P5	SENSOR
	P6	Reserved
SENSOR 2	P7	SENSOR
C5	P8	Gnd
C6	P9	Vpp
C7	P10	I/O
C8	P11	RFU
	P12	Reserved

KEEP OUT ZONE
MYLAR

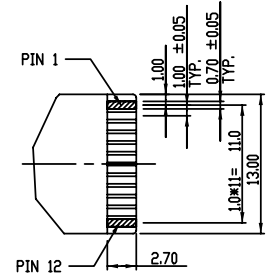
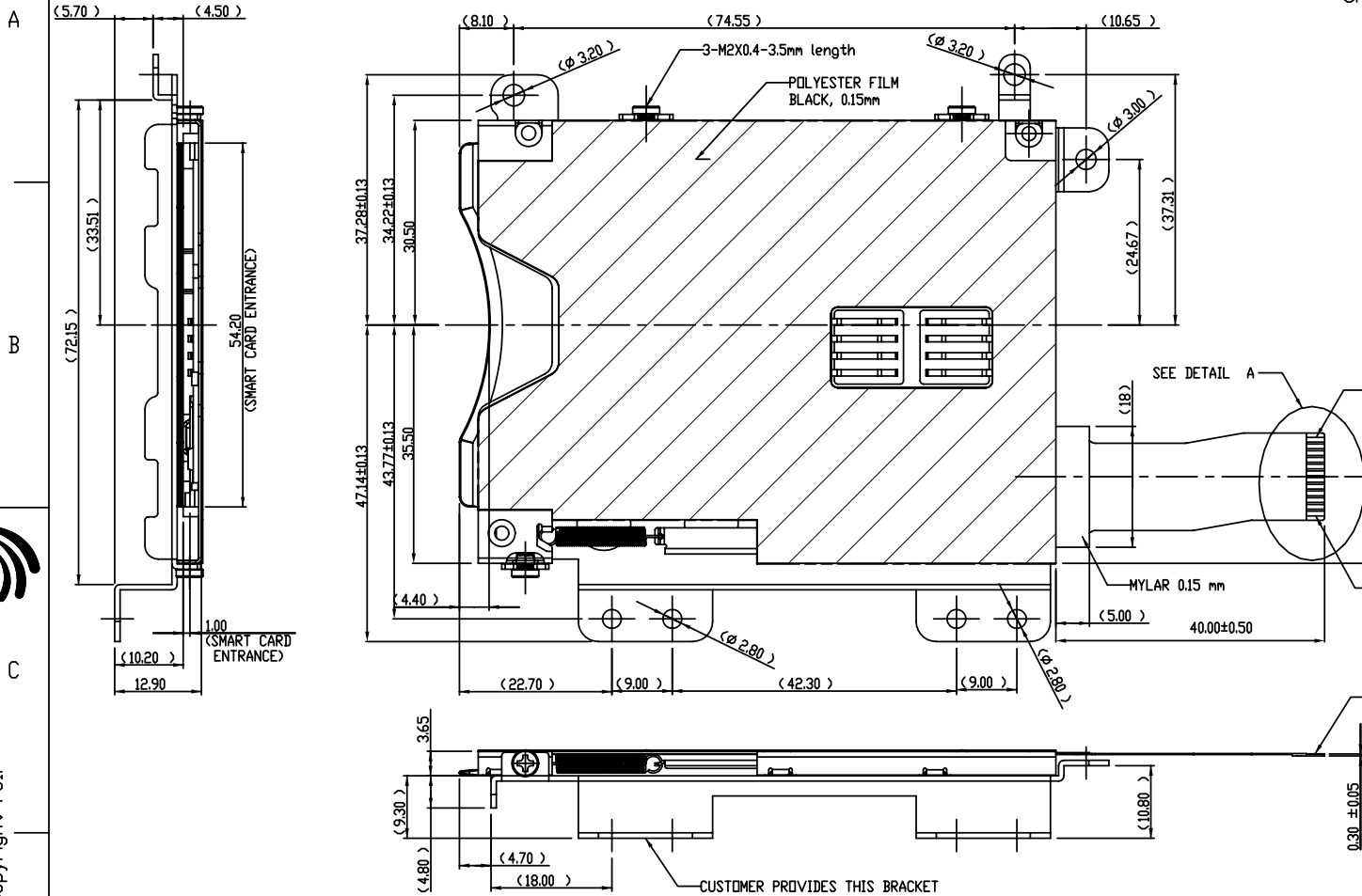
www.fciconnect.com		surface ISD 1302 ✓	tolerance std ISD 406 ISD 1101	projection ⊕	Scale 1.000
		TOLERANCES UNLESS OTHERWISE SPECIFIED		size A4	
Dr	A. JUANG	9/4/00	ANGULAR	0.X	±0.3
Eng	MINERVA WANG	9/4/00	LINEAR	0.XX	±0.15
Chr	JUOSEPH HSIA	9/4/00	0° ±2°	0.XXX	±0.05
Appr	JENN TSAD	9/4/00	Product family	ECN	Spec ref
FCj		title SMART PLUS B ASSEMBLY		dwg no 55640	Rev. L
		catalog no		CUSTOMER	sheet 4 of 7

REV F - 2008-04-17



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PRODUCT NO
55640-20202LF

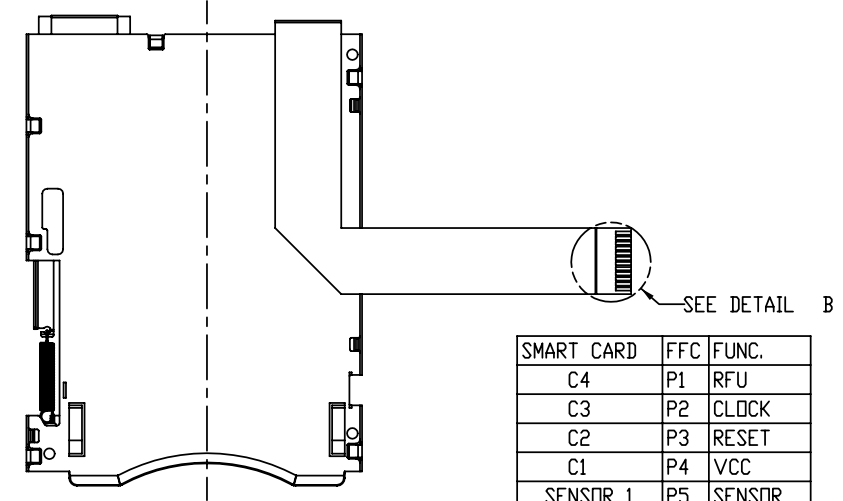
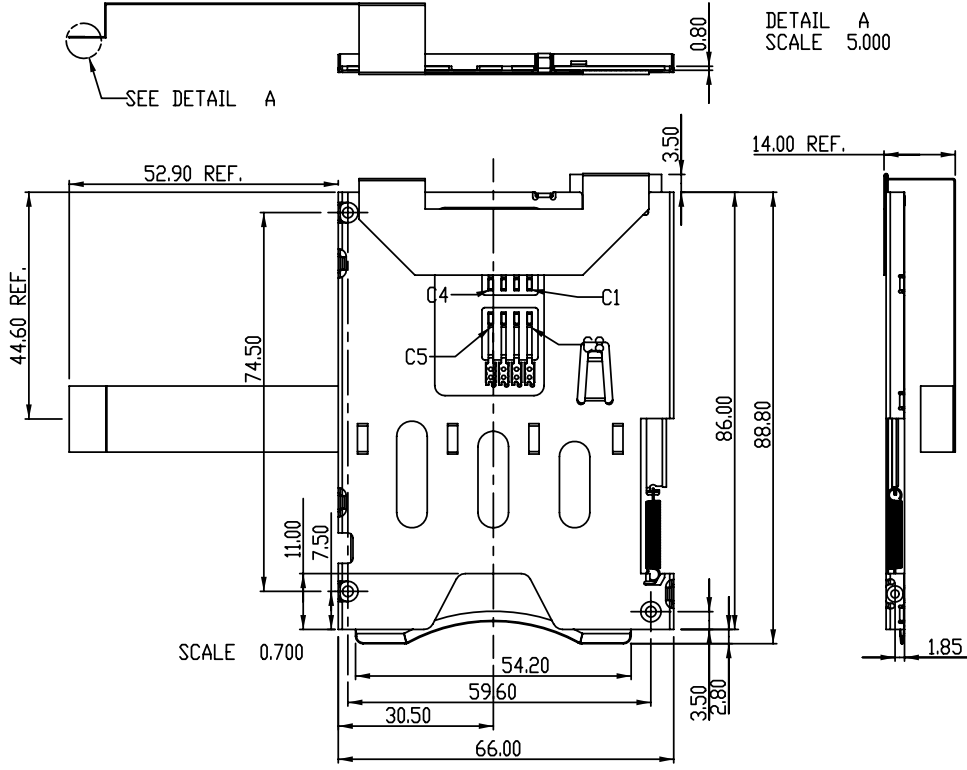
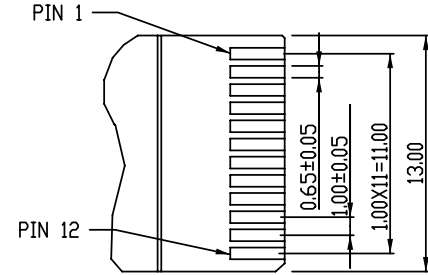
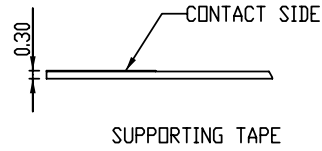


SMART CARD	FPC	FUNC.
C4	P1	RFU
C3	P2	Clock
C2	P3	Reset
C1	P4	Vcc
SENSOR 1	P5	SENSOR
	P6	Reserved
SENSOR 2	P7	SENSOR
C5	P8	Gnd
C6	P9	Vpp
C7	P10	I/O
C8	P11	RFU
	P12	Reserved

www.fciconnect.com			surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection ⊕	size A4	Scale 1.000
TOLERANCES UNLESS OTHERWISE SPECIFIED				ANGULAR	0.X ± 0.3	↔	
Dr	A. JUANG	9/4/00	LINEAR	0.XX ± 0.15	ECN		
Eng	MINERVA WANG	9/4/00	0° ± 2°	0.XXX ± 0.05	Spec ref		
Chr	JOSEPH HSIA	9/4/00	Product family		ECN		
Appr	JENN TSAO	9/4/00	Product family		Spec ref		
title SMART PLUS B ASSEMBLY			eng no 55640		Rev. L		
catalog no			CUSTOMER		sheet 5 of 7		

REV F - 2006-04-17

PRODUCT NO.
55640-30201LF



SMART CARD	FFC	FUNC.
C4	P1	RFU
C3	P2	CLOCK
C2	P3	RESET
C1	P4	VCC
SENSOR 1	P5	SENSOR
	P6	Reserved
SENSPR 2	P7	SENSOR
C5	P8	GND
C6	P9	VPP
C7	P10	I/O
C8	P11	RFU
	P12	Reserved

www.fciconnect.com		surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection ⊕	size A4	Scale 1,000
		TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	A. JUANG	9/4/00	ANGULAR	0.X	±0.3	
Eng	MINERVA WANG	9/4/00	LINEAR	0.XX	±0.15	
Chr	JDESEPH HSIA	9/4/00	0° ±2°	0.XXX	±0.05	ECN
Appr	JENN TSAD	9/4/00	Product family		Spec ref	
title SMART PLUS B ASSEMBLY		dwg no 55640		Rev. L		
catalog no		CUSTOMER		sheet 6 of 7		

REV F - 2006-04-17

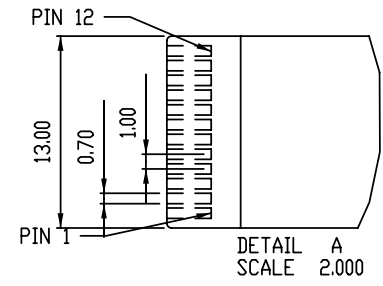
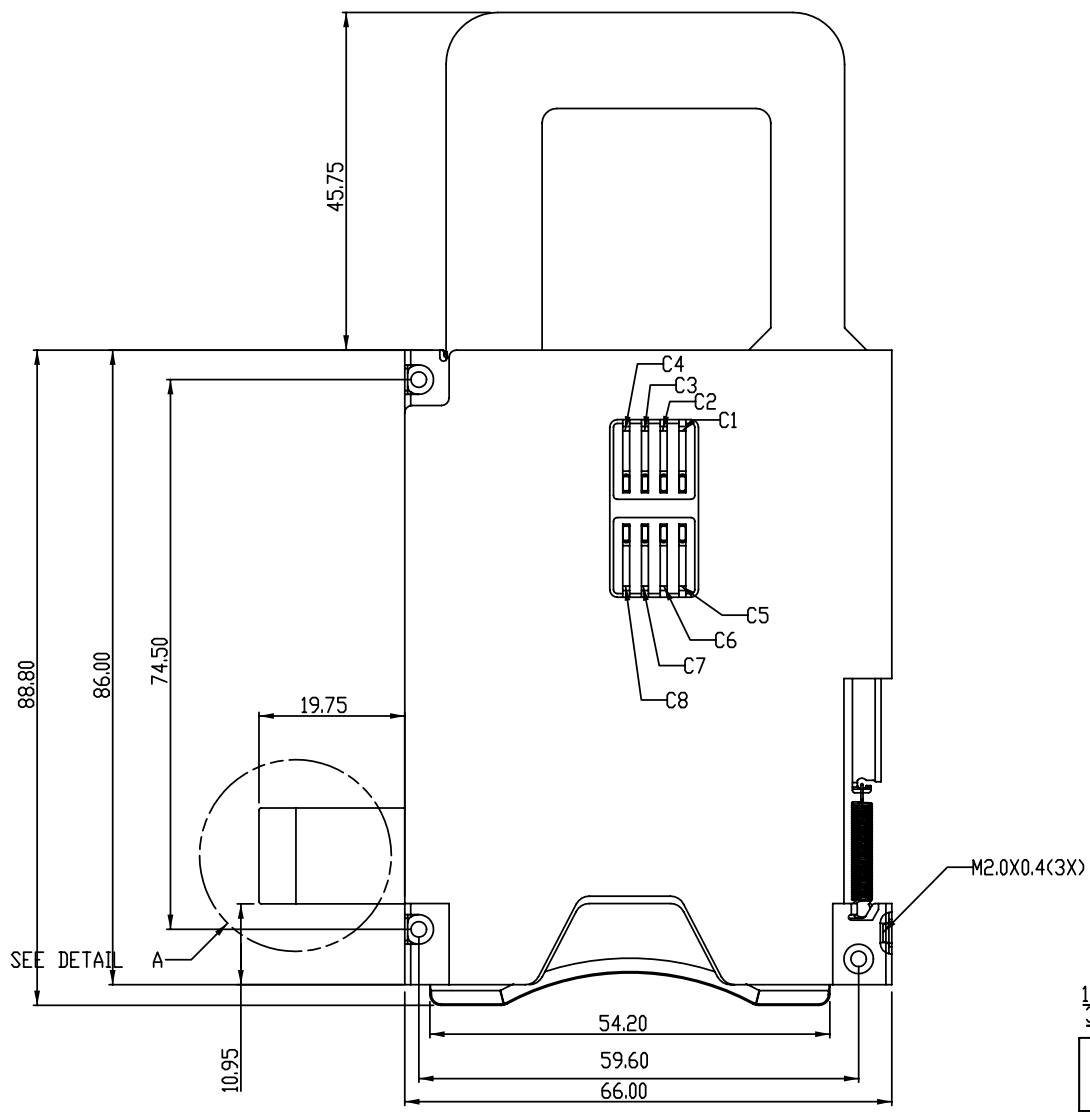


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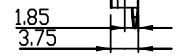
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PRODUCT NUMBER
55640-20301LF



SMART CARD	FPC	FUNC.
C4	P1	RFU 4
C3	P2	CLOCK
C2	P3	RESET
C1	P4	Vcc
SENSOR 1	P5	SENSOR
	P6	RESERVED
SENSOR 2	P7	SENSOR
C5	P8	Gnd
C6	P9	Vpp
C7	P10	I/O
C8	P11	RFU 8
	P12	RESERVED

NOTE:
 1. Material:
 METAL SHELL: STAINLESS STEEL, T=0.40mm
 PCB: FR-4, T=0.80mm
 TERMINAL: PHOSPHOR BRONZE.
 PLATING SPEC AS BELOW:
 ALL OVER NICKEL UNDERPLATING
 PURE TIN PLATING ON CONTACT SURFACE.
 AND SOLDER TAIL.
 2. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD



www.fciconnect.com			surface - ✓	tolerance std	projection	
			TOLERANCES UNLESS OTHERWISE SPECIFIED		⊕	↔
Dr	A. JUANG	9/4/00	ANGULAR	0.X	±0.3	size A4
Eng	MINERVA WANG	9/4/00	LINEAR	0.XX	±0.15	Scale 1.000
Chr	JOSEPH HSIA	9/4/00	0° ±2°	0.XXX	±0.05	ECN
Appr	JENN TSAD	9/4/00	Product family	-	Spec ref	
FCI title SMART PLUS B ASSEMBLY			dwg no 55640		Rev. L	
catalog no -			CUSTOMER		sheet 7 of 7	

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