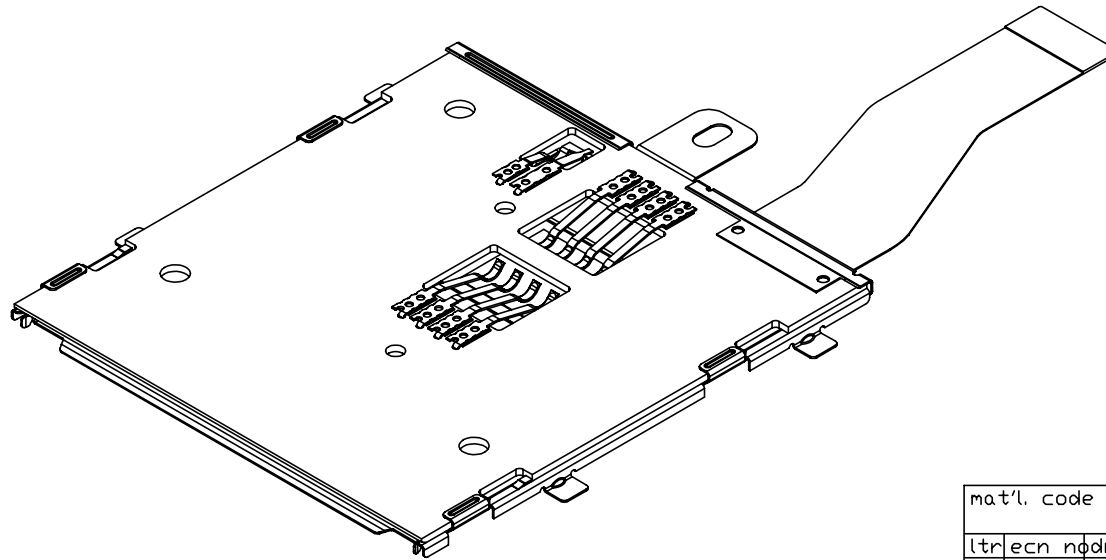


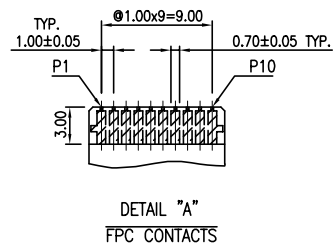
PRODUCT NO.	FPC	PACKAGING	COMPONENTS	LEAD FREE	PCB COLOR
10010556-002LF	10010559-002LF	10017475-02-002	ELEC. PARTS	YES	BLUE
10010556-003LF	10105325-001	10017475-02-009	N/A	YES	BLACK
10010556-004LF	10056226-002LF(FFC)	10017475-02-004	N/A	YES	BLUE
10010556-006LF	10058983-001LF	10017475-02-003	N/A	YES	BLACK
10010556-005LF	10056226-003LF(FFC)	10017475-02-004	N/A	YES	BLUE
10010556-007LF	10081578-001	10017475-02-006	N/A	YES	BLACK
10010556-008LF	10056226-004LF(FFC)	10017475-02-003	N/A	YES	BLUE
10010556-009LF	10083983-001(FFC)	10017475-02-008	N/A	YES	BLUE
10010556-010LF	10056226-005LF(FFC)	340391-202	N/A	YES	GREEN
10010556-011LF	10087561-001	10017475-02-007	N/A	YES	BLUE
10010556-012LF	10087561-002	10017475-02-007	N/A	YES	BLUE
10010556-013LF	10088568-001	10017475-02-006	N/A	YES	BLACK
10010556-014LF	10087561-004	10017475-02-004	N/A	YES	BLUE
10010556-015LF	10099689-001(FFC)	10017475-02-006	N/A	YES	BLACK
10010556-016LF	10056226-006LF(FFC)	340391-202	N/A	YES	GREEN
10010556-017LF	10056226-007LF(FFC)	340391-202	N/A	YES	GREEN
10010556-018LF	10107293-001(FFC)	10017475-02-004	N/A	YES	GREEN
10010556-019LF	10087561-005(FFC)	10017475-02-010	N/A	YES	GREEN

NOTES :

1. SMART CARD READER FOR LOWER PROFILE HEIGHT OF 3.0 mm.
2. TOTAL CIRCUIT RESISTANCE PER ONE LOOP SHALL NOT EXCEED 100 MILLIOHMS.
3. MATERIALS :
CONTACTS : COPPER ALLOY, GOLD OVER NICKEL ON CONTACT AREA.
TOP PCB : FR4.
COVER : STAINLESS STEEL.
4. ENVIRONMENT :
STORAGE TEMPERATURE : FROM -40°C TO 100°C.
OPERATION TEMPERATURE : FROM -40°C TO 85°C.

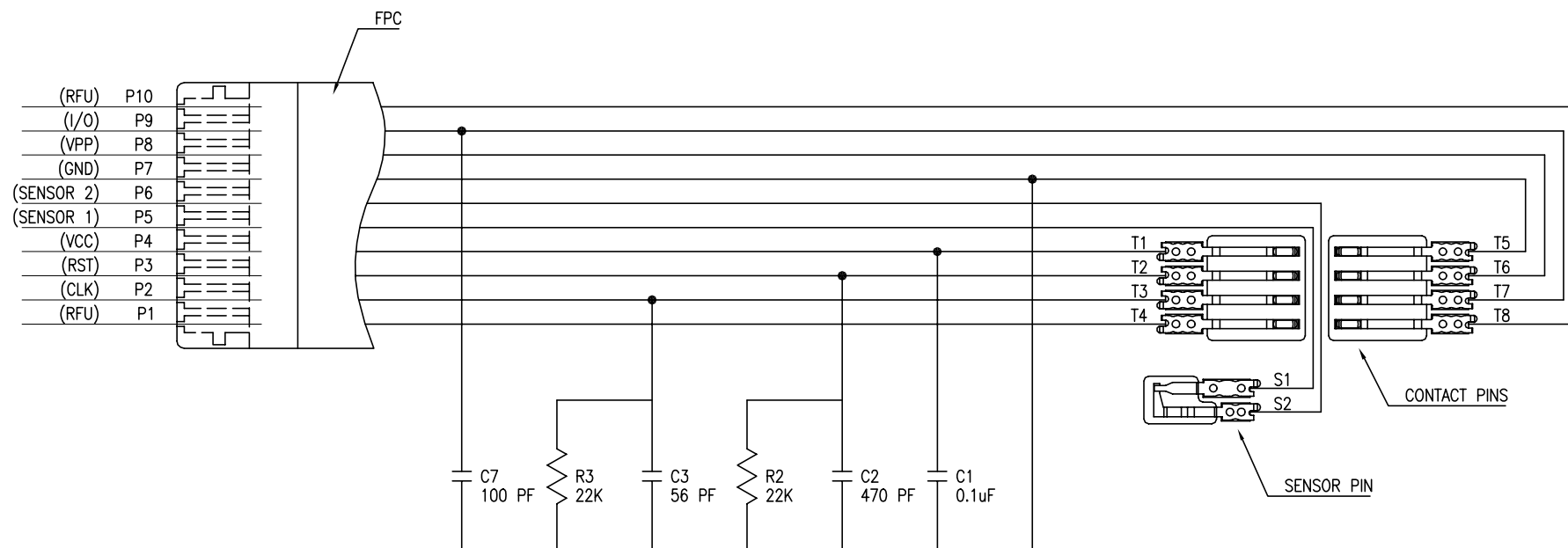


mat'l. code				surface		tolerance		projection		product family	
				ISO 1302 ✓		ISO 406 ISO 1181				95	
ltr		ec		nodr		date		tolerances unless otherwise specified		title	
R	N08-0136		SH	07/07/08		angles		0.X±0.5		SMART CARD READER ASSEMBLY	
S	N08-0212		SH	10/06/08		linear		0.XX±0.30			
T	N09-0224		SH	07/15/09		0±2'		0.XXX±0.10			
								scale NA			
U	N09-0306		SH	10/13/09		dr		A.JUANG 06/07/02			
V	N10-0058		SH	03/03/10		endr		A.JUANG 06/07/02			
W	ELX-N-012726		ZK	09/30/12		chr		A.JUANG 06/07/02			
						appd		JENN.TSAO 06/07/02			
sheet		revision								dwg no	
index		sheet								sheet 1 of 21	
										size	
										A3	
										10010556	
										type Product Customer Drawing	



SMART CARD	TERMINAL	FPC	FUNC.
C4	T4	P1	RFU
C3	T3	P2	Clock
C2	T2	P3	Reset
C1	T1	P4	Vcc
SENSOR 1	SENSOR 1	P5	SENSOR
SENSOR 2	SENSOR 2	P6	SENSOR
C5	T5	P7	Gnd
C6	T6	P8	Vpp
C7	T7	P9	I/O
C8	T8	P10	RFU

mat'l. code		surface		tolerance		projection		product family	
		ISO 1302 ✓		ISO 406 ISO 1101				95	
l	tr	ec	n	odr	date	tolerances unless otherwise specified		title	
W						angles	0.X±0.5	 MM	
						linear	0.XX±0.30		
						0±2'	0.XXX±0.10		
						scale NA		SMART CARD READER ASSEMBLY	
		dr		A.JUANG		06/07/02		dwg no	
		enr		A.JUANG		06/07/02		sheet 2 of 21	
		chr		A.JUANG		06/07/02		10010556	
		app		JENN.TSAO		06/07/02		A3	
sheet index		revision sheet						type Product Customer Drawing	



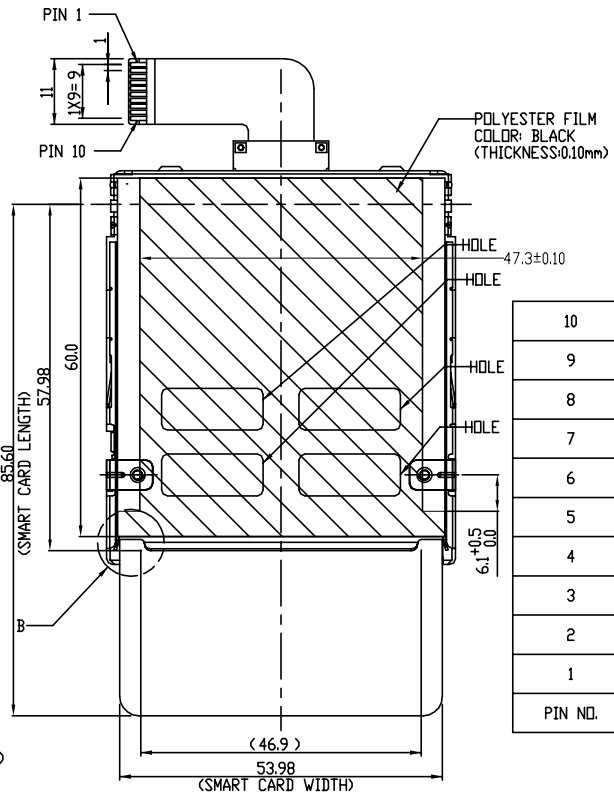
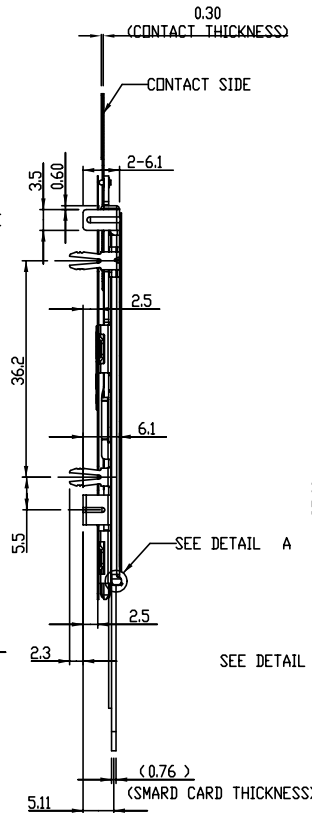
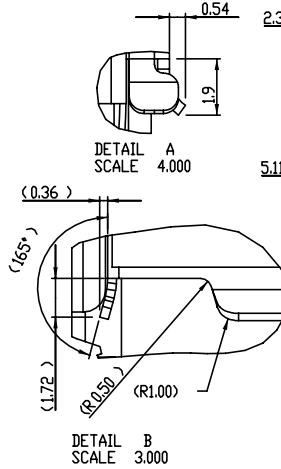
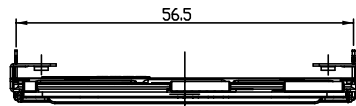
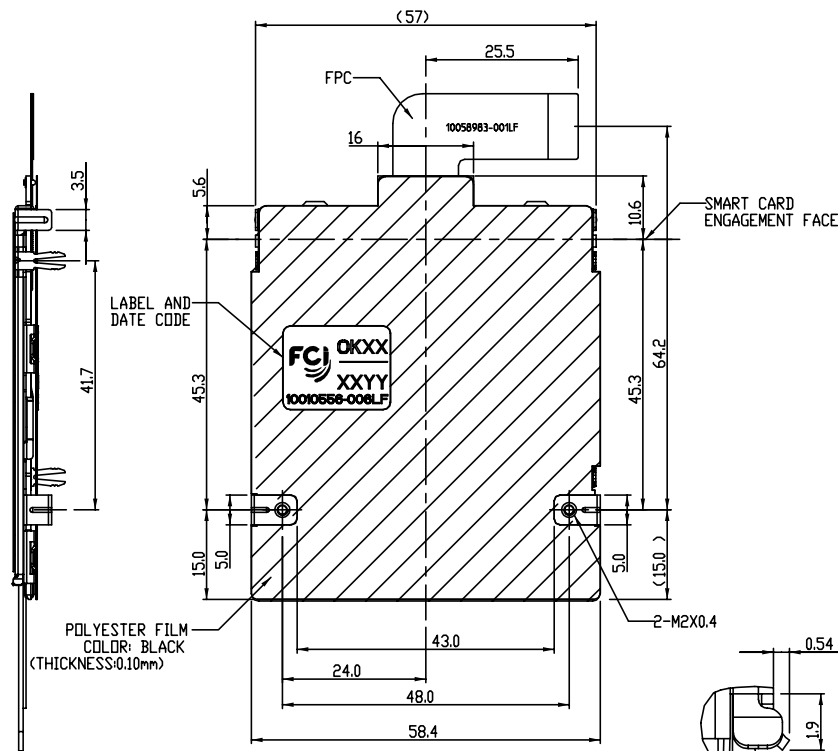
mat'l. code				surface		tolerance		projection		product family	
				ISO 1302 ✓		ISO 406 ISO 1101				95	
ltr		ecn		nodr		date		tolerances unless otherwise specified		title	
W								$0.X \pm 0.5$ $0.XX \pm 0.30$ $0.XXX \pm 0.10$		MM scale NA	
										SMART CARD READER ASSEMBLY	
										dwg no	
										sheet 3 of 21	
										size	
										A3	
										10010556	
										type	
										Product Customer Drawing	
sheet		revision									
index		sheet									



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PRODUCT NO
10010556-006LF



10	SENSOR 2
9	SENSOR 1
8	RFU
7	I/O
6	Vpp
5	Gnd
4	RFU
3	Clock
2	Reset
1	Vcc
PIN NO.	ASSIGNMENT

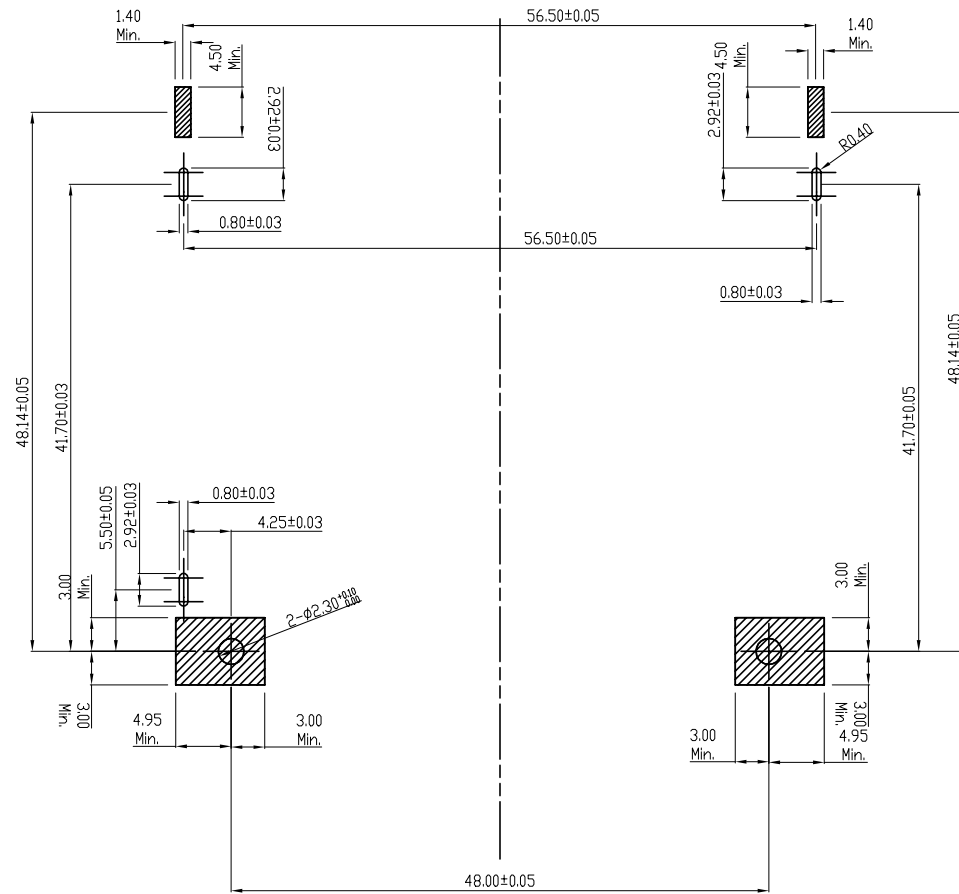
mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
ltr ecn nodr	date	tolerances	unless otherwise specified	title
W		0.X±0.5	MM	SMART CARD READER ASSEMBLY
		0.XX±0.30	scale NA	
		0.XXX±0.10		
dr	A.JUANG	06/07/02		dwg no
enr	A.JUANG	06/07/02		sheet 6 of 21
chr	A.JUANG	06/07/02		size
app	JENN.TSAO	06/07/02		A3
sheet index	revision sheet			type Product Customer Drawing



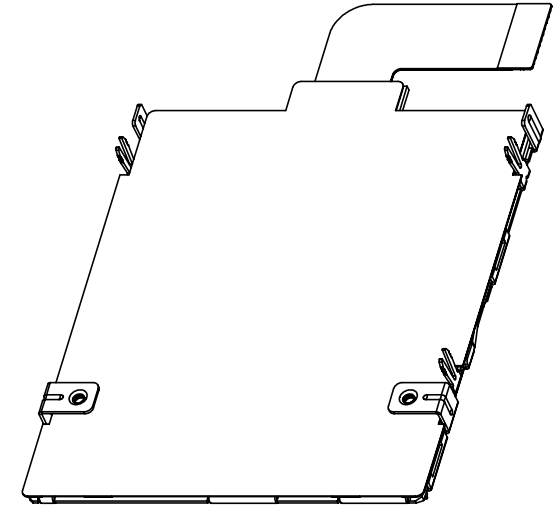
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PRODUCT NO
10010556-006LF



RECOMMENDED PCB LAYOUT
(PCB THICKNESS: 1.2 mm)
(MOUNTING SIDE)



- NOTES:
- 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
GOLD PLATING ON CONTACT SURFACE.
MATTE TIN PLATING ON SOLDER TAIL.
FLEX CIRCUIT CABLE (FPC):
PLATING SPEC AS BELOW:
CONTACT SURFACE: GOLD FLASH PLATING.
SOLDER TAIL: PURE TIN PLATING.
 - CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
 - REFERENCE SPECIFICATION:
PRODUCT SPEC. GS-12-231
PACKING SPEC. GS-14-829

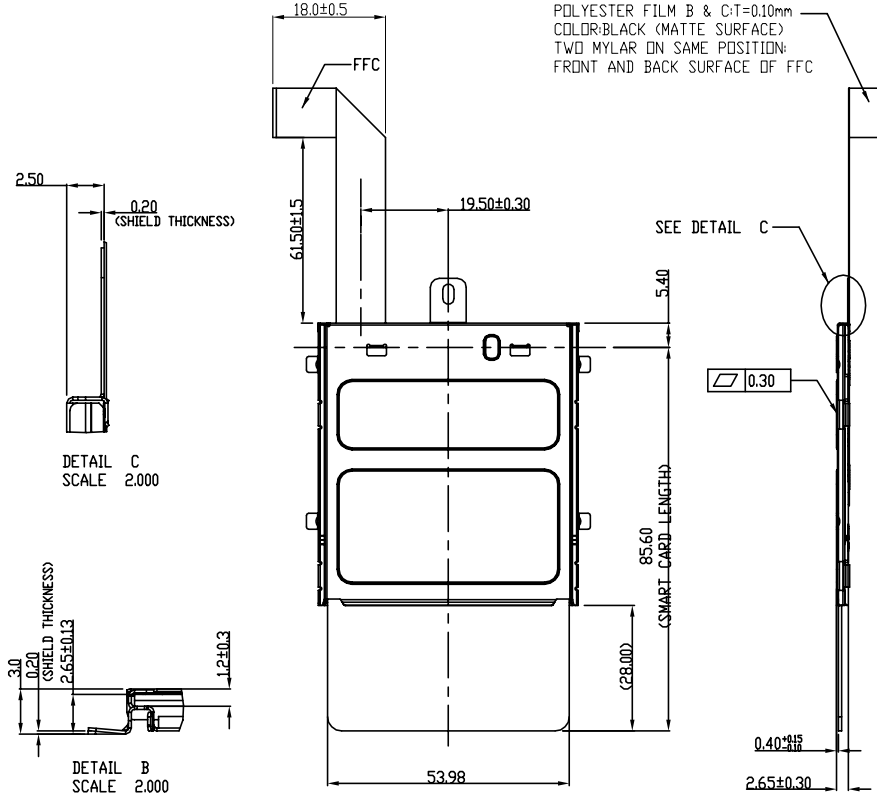
mat'l. code				surface		tolerance		projection		product family	
				ISO 1302 ✓		ISO 406		ISO 1101		95	
l		tr		ec		n		o		d	
r		e		c		n		o		r	
date				tolerances unless otherwise specified				title			
W										SMART CARD READER ASSEMBLY	
				angles		linear		MM			
				0.X±0.5		0.XX±0.30					
				0±2°		0.XXX±0.10		scale NA			
				dr		A.JUANG		06/07/02		dwg no	
				enr		A.JUANG		06/07/02		sheet 7 of 21	
				chr		A.JUANG		06/07/02		size	
				appd		JENN.TSAO		06/07/02		10010556	
										A3	
										type Product Customer Drawing	
sheet		revision									
index		sheet									



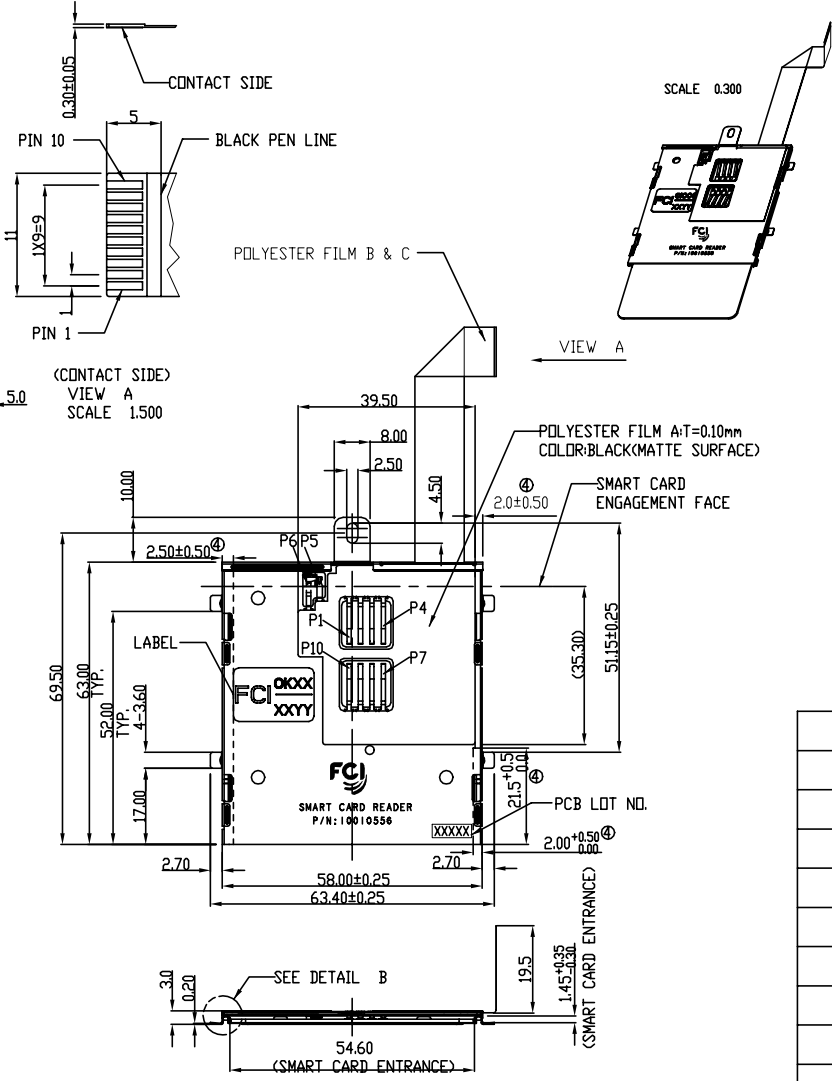
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D

PRODUCT NO
10010556-005LF



NOTES:
1. Material:
METAL SHELL: STAINLESS STEEL, T=0.20mm
PCB: FR-4, T=0.80mm
TERMINAL: PHOSPHOR BRONZE.
PLATING SPEC AS BELOW:
ALL OVER NICKEL UNDERPLATING
GOLD PLATING ON CONTACT SURFACE.
MATTE TIN PLATING ON SOLDER TAIL.
FLEXIBLE
FLAT CABLE: TOTAL LENGTH=103.5±2mm
PLATING SPEC AS BELOW:
CONTACT SURFACE: TIN PLATING.
SOLDER TAIL: TIN PLATING.
2. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
3. REFERENCE SPECIFICATION:
PRODUCT SPEC. GS 12-231
PACKING SPEC. GS 14-829
④ THE AREA IS PROHIBITED TO PASTE THE MYLAR AND LABEL.

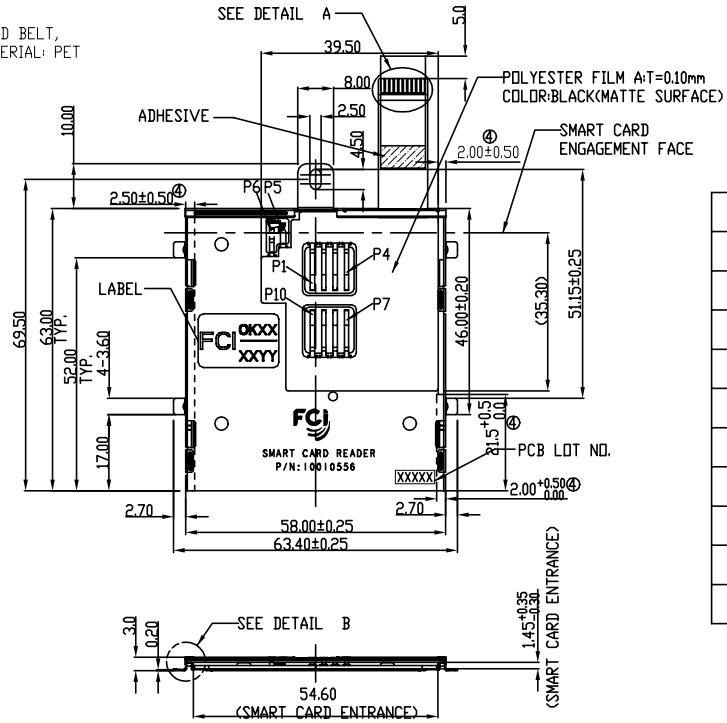
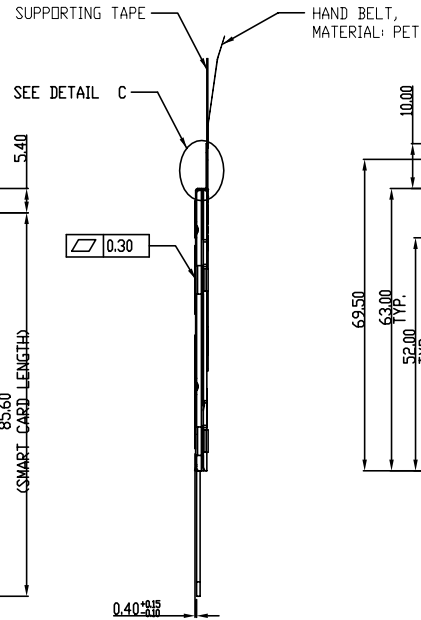
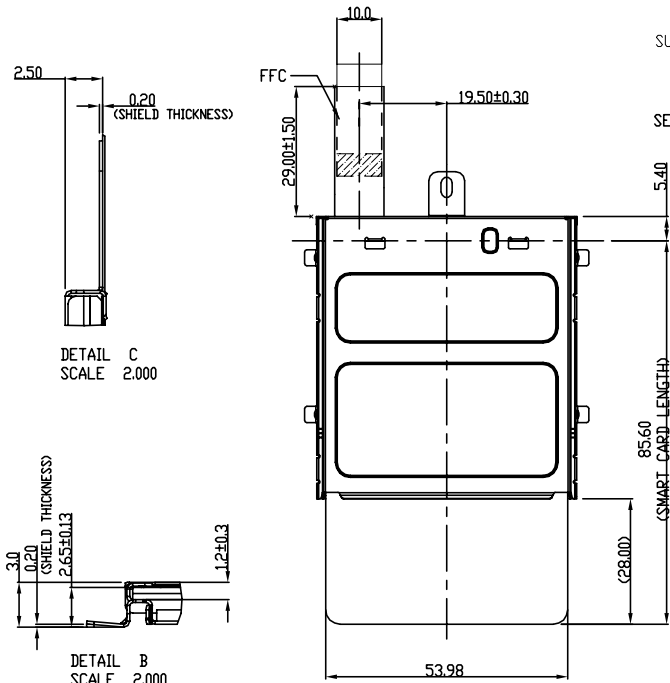
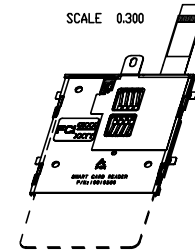
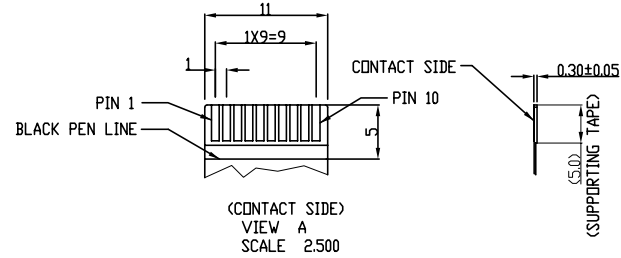


10	RFU
9	I/O
8	Vpp
7	GND
6	Sensor 2
5	Sensor 1
4	Vcc
3	Reset
2	Clock
1	RFU
PIN NO.	ASSIGNMENT

mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
ltr ecn nodr	date	tolerances unless otherwise specified	title	
W		angles	linear	SMART CARD READER ASSEMBLY
		0±2°	0.X±0.5	
			0.XX±0.30	
			0.XXX±0.10	
	dr	A.JUANG	06/07/02	
	enr	A.JUANG	06/07/02	
	chr	A.JUANG	06/07/02	
	appd	JENN.TSAO	06/07/02	
sheet	revision			
index	sheet			

dwg no	sheet 8 of 21	size
10010556		A3
type Product Customer Drawing		

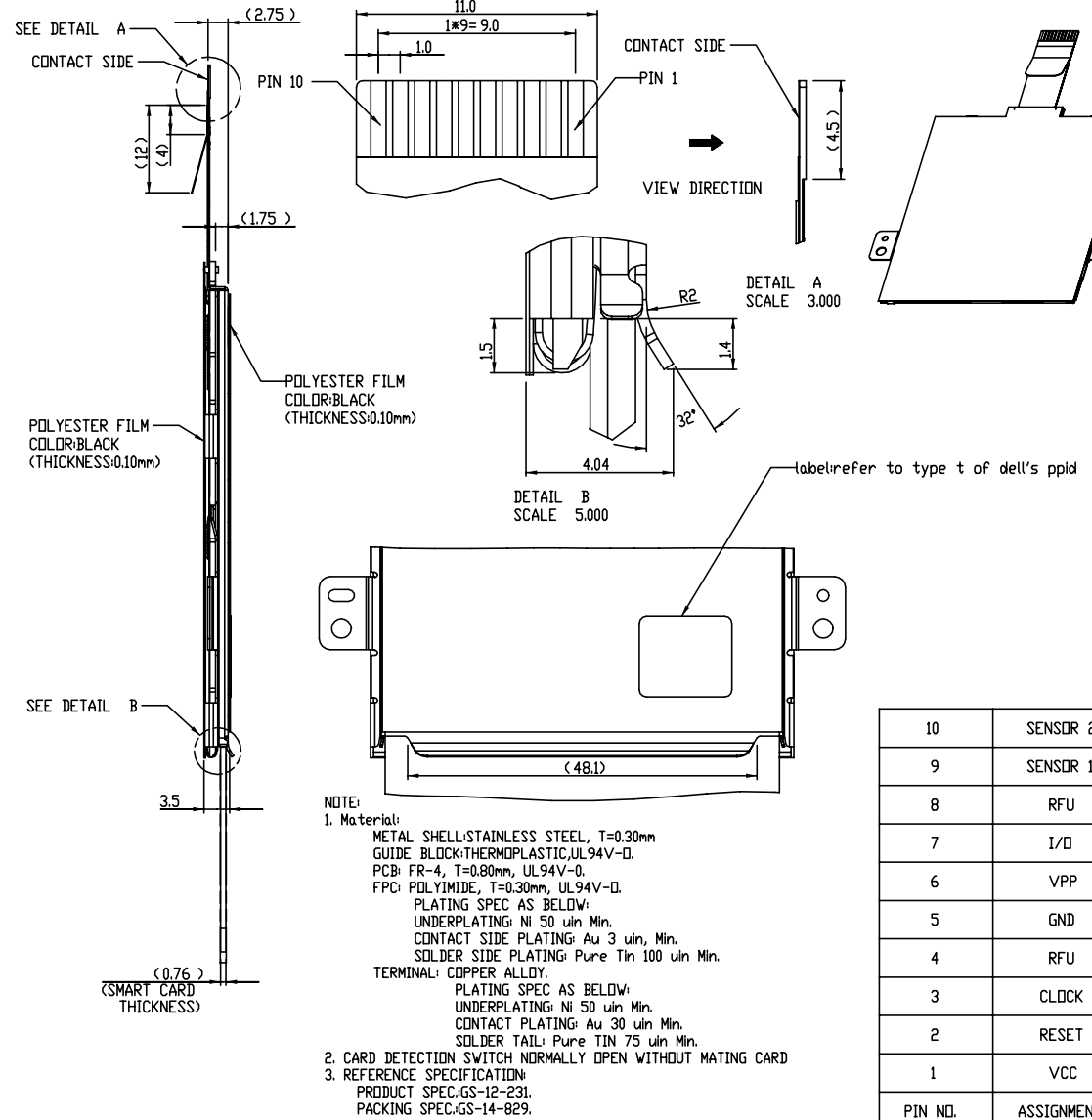
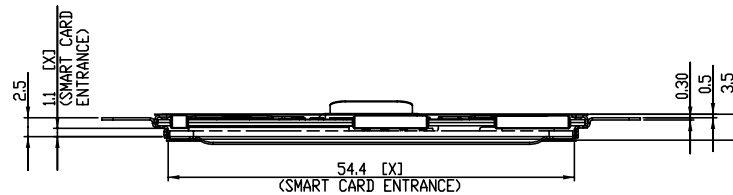
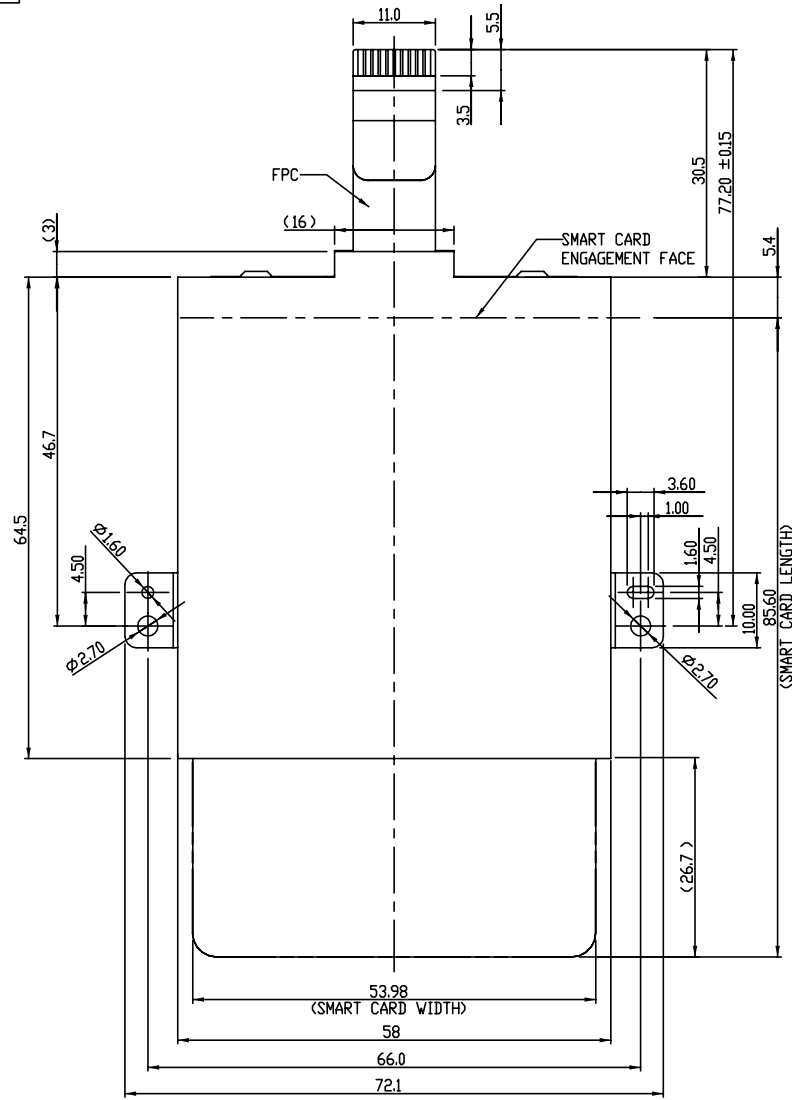
PRODUCT NO
10010556-008LF



10	RFU
9	I/O
8	Vpp
7	GND
6	Sensor 2
5	Sensor 1
4	Vcc
3	Reset
2	Clock
1	RFU
PIN NO.	ASSIGNMENT

- NOTES:
1. Material:
METAL SHELL: STAINLESS STEEL, T=0.20mm
PCB: FR-4, T=0.80mm
TERMINAL: PHOSPHOR BRONZE.
PLATING SPEC AS BELOW:
ALL OVER NICKEL UNDERPLATING
GOLD PLATING ON CONTACT SURFACE.
MATTE TIN PLATING ON SOLDER TAIL.
FLEXIBLE FLAT CABLE: TOTAL LENGTH=33.5±1mm
PLATING SPEC AS BELOW:
CONTACT SURFACE: TIN PLATING.
SOLDER TAIL: TIN PLATING.
2. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
3. REFERENCE SPECIFICATION:
PRODUCT SPEC. GS 12-231
PACKING SPEC. GS 14-829
④ THE AREA IS PROHIBITED TO PASTE THE MYLAR AND LABEL.

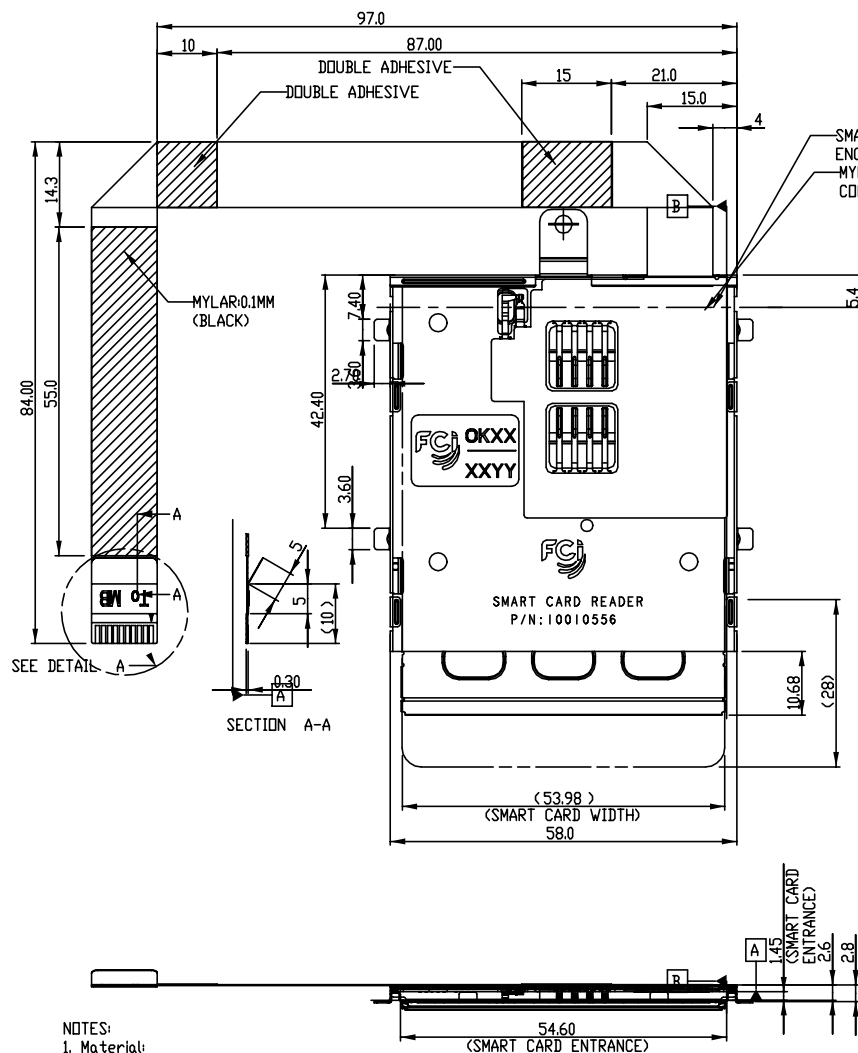
mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
ltr ecn nodr	date	tolerances unless otherwise specified	title	
W		angles	linear	SMART CARD READER ASSEMBLY
		0±2'	0.X±0.5	
			0.XX±0.30	
			0.XXX±0.10	
	dr	A.JUANG	06/07/02	
	enr	A.JUANG	06/07/02	
	chr	A.JUANG	06/07/02	
	appd	JENN.TSAO	06/07/02	
sheet	revision			
index	sheet			

PART NUMBER
10010556-007LF

10	SENSOR 2
9	SENSOR 1
8	RFU
7	I/O
6	VPP
5	GND
4	RFU
3	CLOCK
2	RESET
1	VCC
PIN NO.	ASSIGNMENT

mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
l'tecn n'dr	date	tolerances unless otherwise specified	title	
W		angles	linear	SMART CARD READER ASSEMBLY
		0±2'	0.X±0.5	
			0.XX±0.30	
			0.XXX±0.10	
	dr	A.JUANG	06/07/02	
	enr	A.JUANG	06/07/02	
	chr	A.JUANG	06/07/02	
	appd	JENN.TSAO	06/07/02	
sheet	revision			
index	sheet			

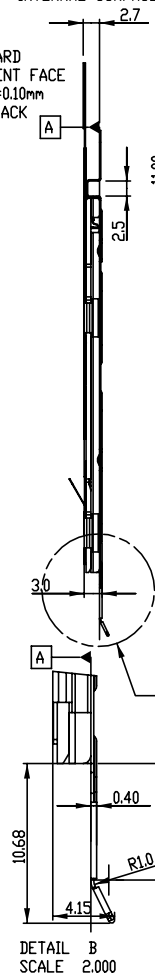
dwg no 10010556 sheet 10 of 21 size A3
type Product Customer Drawing



NOTES:

1. Material: METAL SHELL: STAINLESS STEEL, T=0.20mm
PCB: FR-4, T=0.80mm
TERMINAL: COPPER ALLOY.
PLATING SPEC AS BELOW:
ALL OVER NICKEL UNDERPLATING
GOLD PLATING ON CONTACT SURFACE.
MATTE TIN PLATING ON SOLDER TAIL.
FLEXIBLE FLAT CABLE: TOTAL LENGTH=33.5±1mm
PLATING SPEC AS BELOW:
CONTACT SURFACE: TIN PLATING.
SOLDER TAIL: TIN PLATING.
2. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD

ADHESIVE AREA
(STICKED BETWEEN
INTERNAL SURFACES)



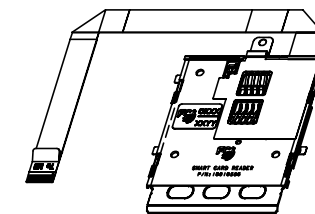
—SEE DETAIL B

CHECK
LINE

PIN

DETAIL A
SCALE 2.000

ADHESIVE AREA—
(STICKED BETWEEN
INTERNAL SURFACES)

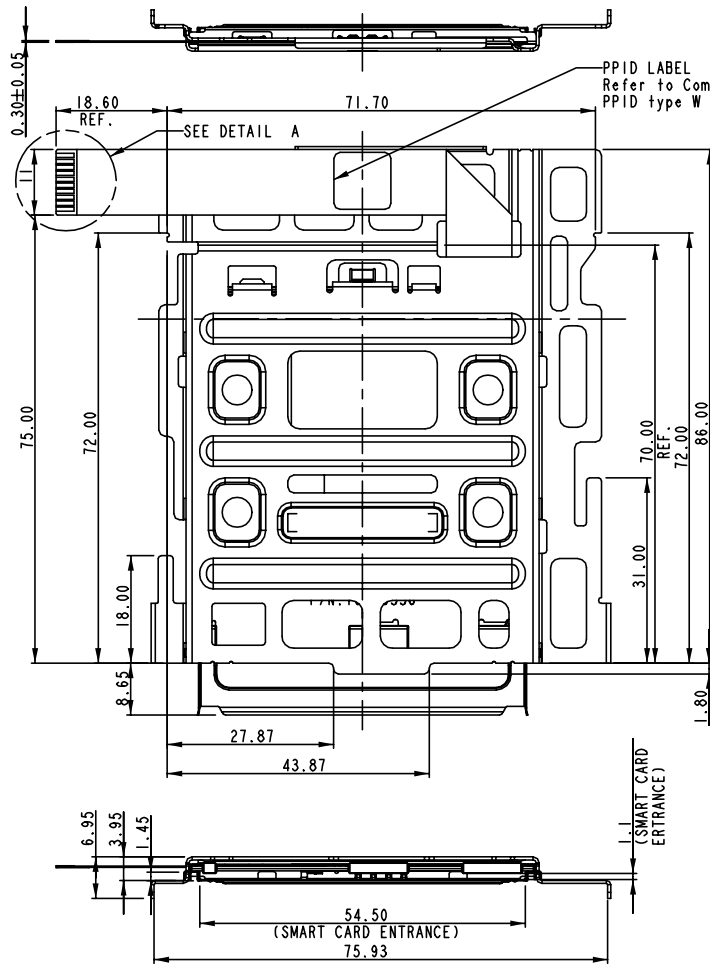


SCALE 0.350

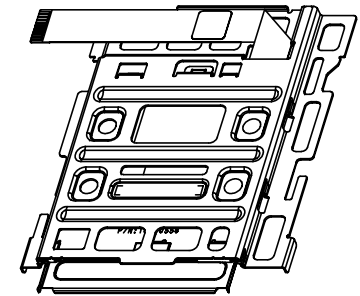
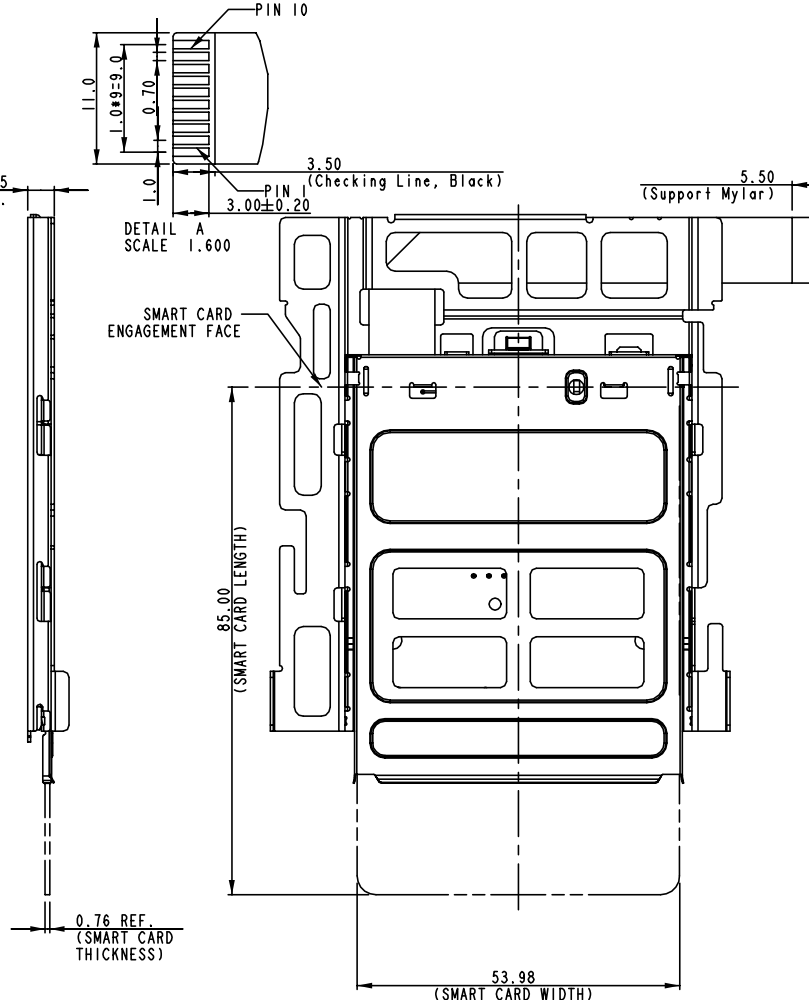
10	RFU4	C4
9	CLOCK	C3
8	RESET	C2
7	VCC	C1
6	Sensor 2	
5	Sensor 1	
4	GND	C5
3	VPP	C6
2	I/O	C7
1	RFU8	C8
PIN NO.	ASSIGNMENT	PIN NO. DEFINE BY ISO-7816

[illegible]

PART NUMBER
10010556-010LF



- NOTE:
- Material:
METAL SHELL: STAINLESS STEEL
BRACKET: STEEL
GUIDE BLOCK: THERMOPLASTIC, UL94V-0.
PCB: FR-4, T=0.80mm, UL94V-0.
FFC: POLYESTER, UL20624.
PLATING SPEC AS BELOW:
CONTACT SIDE PLATING: GOLD.
SOLDER SIDE PLATING: Pure Tin.
TERMINAL: COPPER ALLOY.
PLATING SPEC AS BELOW:
UNDERPLATING: NICKEL.
CONTACT PLATING: GOLD.
SOLDER TAIL: Pure TIN.
 - CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
 - REFERENCE SPECIFICATION:
PRODUCT SPEC.: GS-12-231.
PACKING SPEC.: GS-14-829.

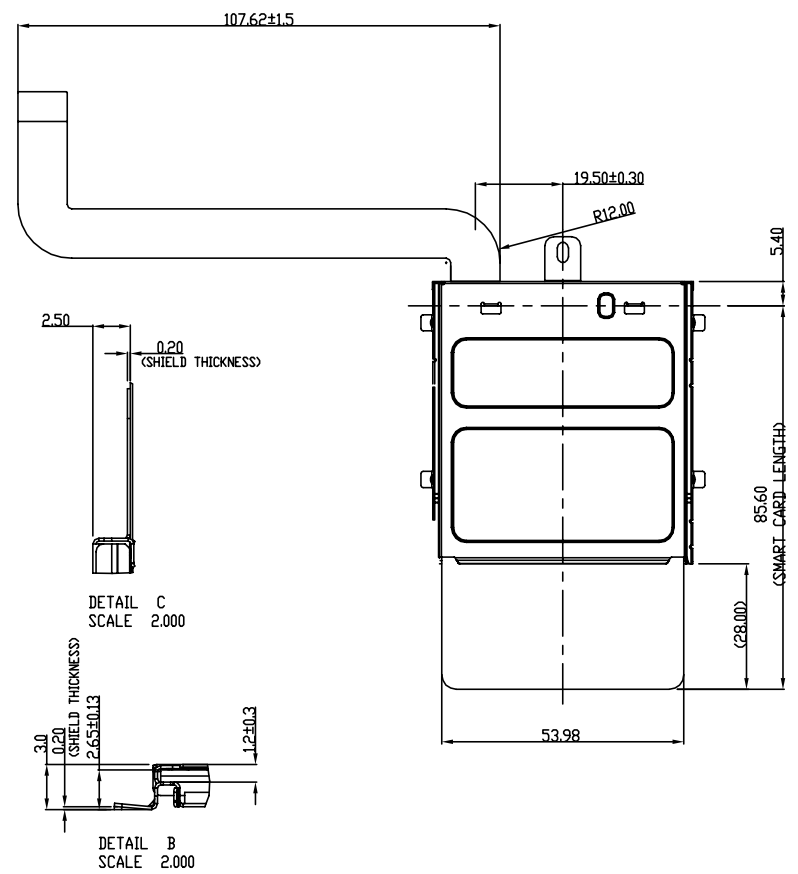


SCALE 0.500

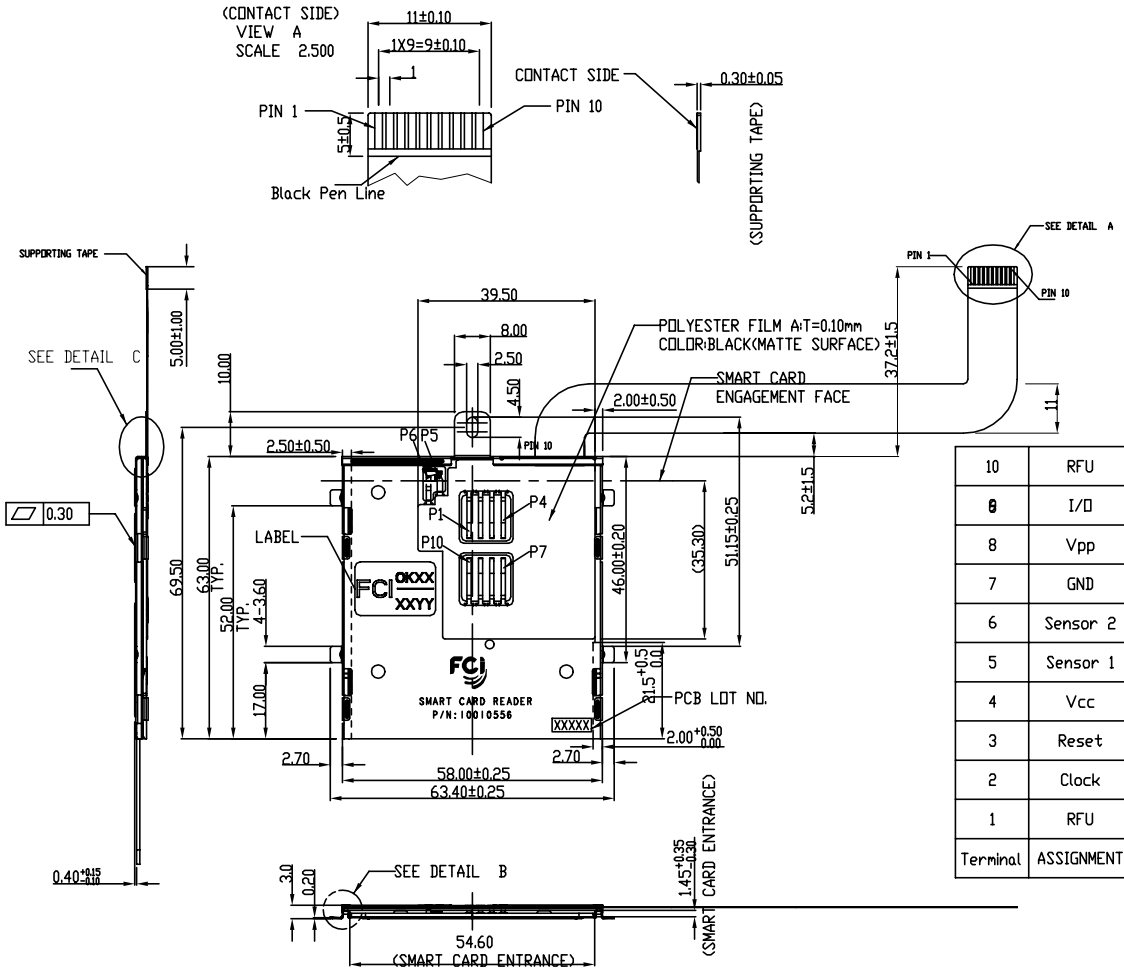
10	VCC	C1
9	Reset	C2
8	Clock	C3
7	RFU4	C4
6	Gnd	C5
5	VPP	C6
4	I/O	C7
3	RFU8	C8
2	SENSOR 2	
1	SENSOR 1	
PIN NO.	ASSIGNMENT	PIN NO. DEFINED BY ISO-7816

mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
ltr ecn nldr date	tolerances unless otherwise specified			
W	angles	0.X±0.5	MM	SMART CARD READER ASSEMBLY
	linear	0.XX±0.30		
	0±2°	0.XXX±0.10	scale NA	
dr	A.JUANG	06/07/02		dwg no
enr	A.JUANG	06/07/02		sheet 2 of 21
chr	A.JUANG	06/07/02		size A3
appd	JENN.TSAO	06/07/02		type Product Customer Drawing
sheet index	revision sheet			

PRODUCT NO
10010556-011LF



NOTE:
1. Material:
METAL SHELL: STAINLESS STEEL, T=0.20mm
PCB: FR-4, T=0.80mm
TERMINAL: PHOSPHOR BRONZE
PLATING SPEC AS BELOW:
ALL OVER NICKEL UNDERPLATING
GOLD PLATING ON CONTACT SURFACE.
MATTE TIN PLATING ON SOLDER TAIL.
FPC PLATING SPEC AS BELOW:
CONTACT SURFACE: GOLD FLASH.
SOLDER TAIL: TIN PLATING.
2. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
3. REFERENCE SPECIFICATION:
PRODUCT SPEC. GS 12-231
PACKING SPEC. GS 14-829
④ THE AREA IS PROHIBITED TO PASTE THE MYLAR AND LABEL.



10	RFU	10
9	I/O	9
8	Vpp	8
7	GND	7
6	Sensor 2	6
5	Sensor 1	5
4	Vcc	pin 4
3	Reset	pin 3
2	Clock	pin 2
1	RFU	pin 1
Terminal	ASSIGNMENT	FPC

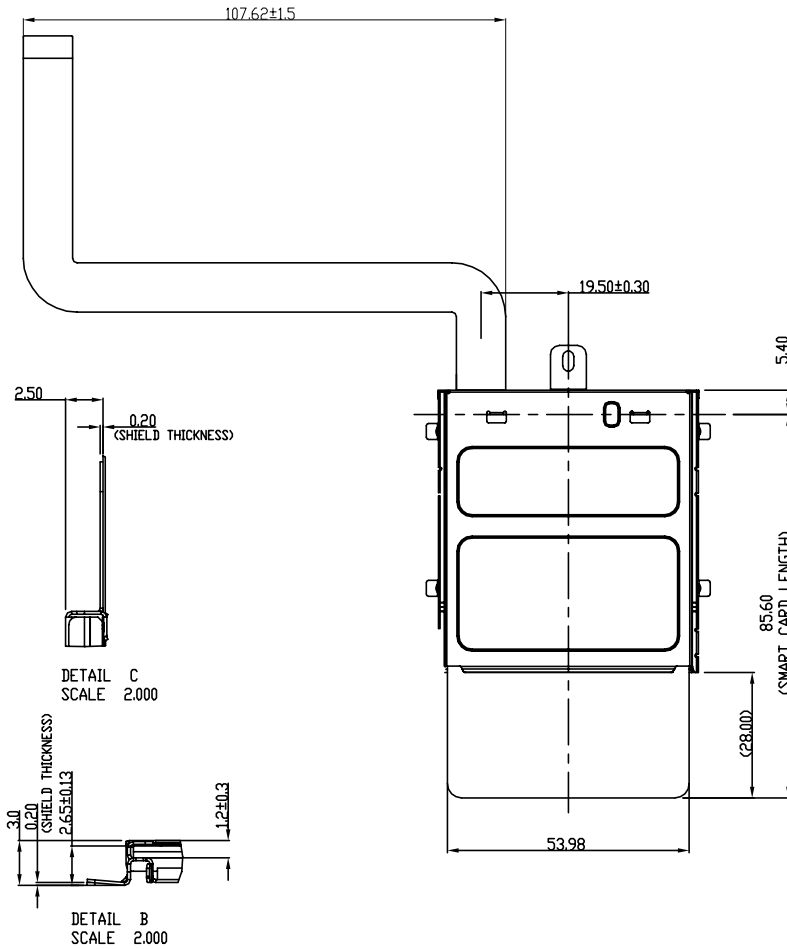
mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
ltr ecn nodr date	tolerances unless otherwise specified	linear	MM	title
W	angles	0.X±0.5		SMART CARD READER ASSEMBLY
	0±2'	0.XX±0.30		
		0.XXX±0.10	scale NA	
dr	A.JUANG	06/07/02		dwg no
enr	A.JUANG	06/07/02		sheet 3 of 21
chr	A.JUANG	06/07/02		size A3
appd	JENN.TSAO	06/07/02		type Product Customer Drawing
sheet index	revision sheet			



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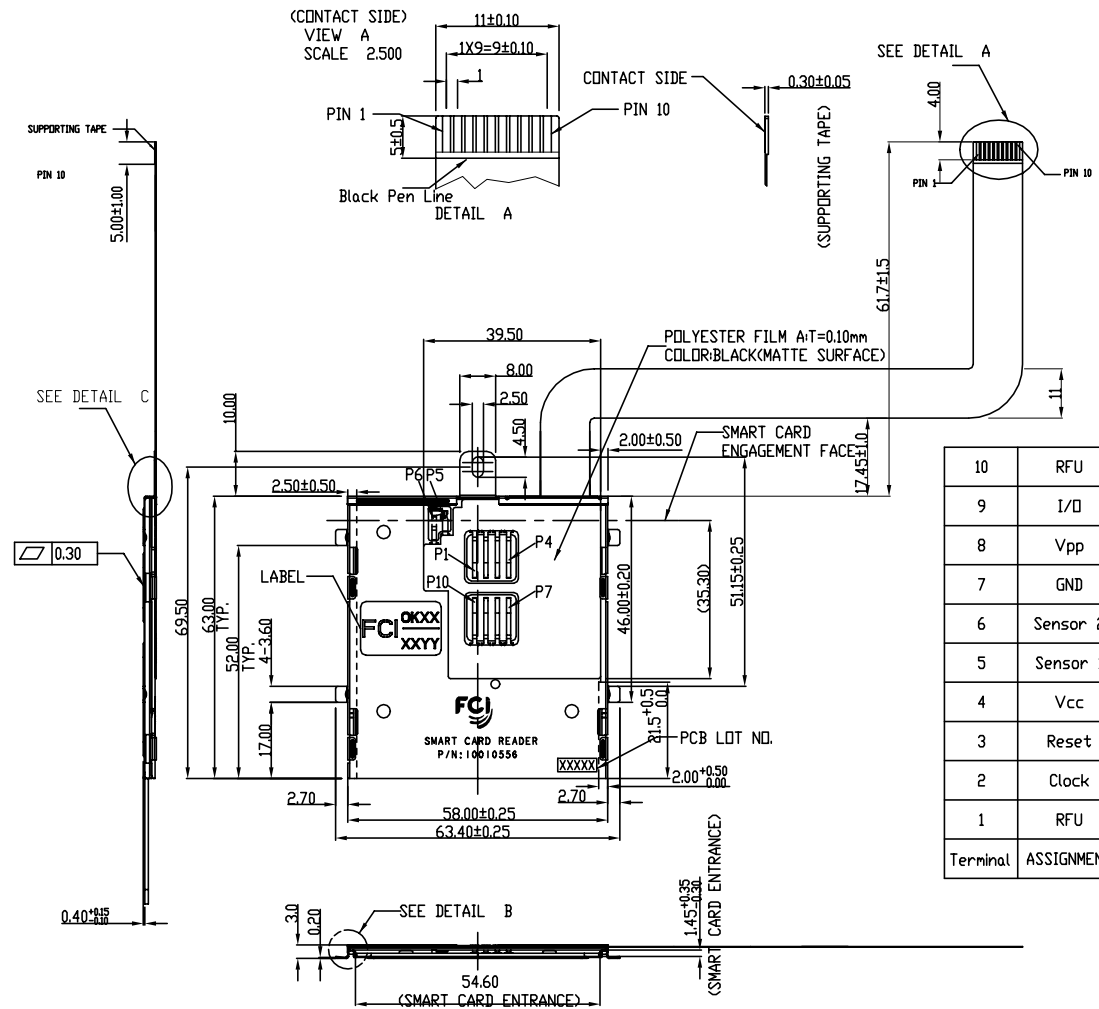
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PRODUCT NO
10010556-012LF



- NOTES:
- Material:
METAL SHELL: STAINLESS STEEL, T=0.20mm
PCB: FR-4, T=0.80mm
TERMINAL: PHOSPHOR BRONZE.
PLATING SPEC AS BELOW:
ALL OVER NICKEL UNDERPLATING
GOLD PLATING ON CONTACT SURFACE.
MATTE TIN PLATING ON SOLDER TAIL.

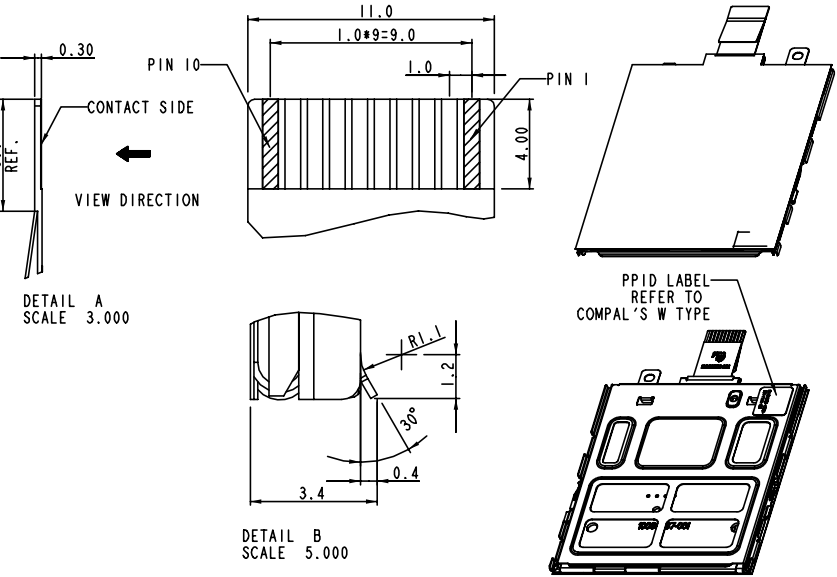
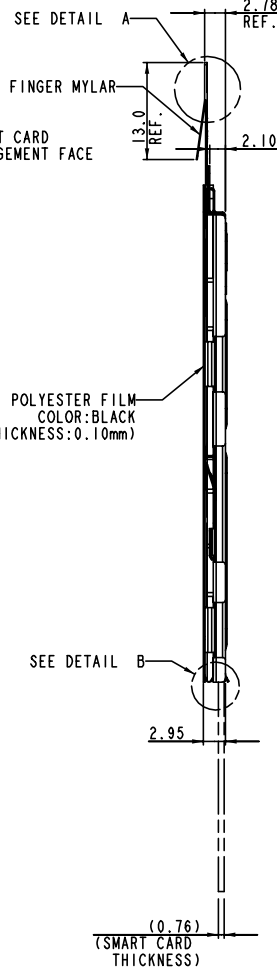
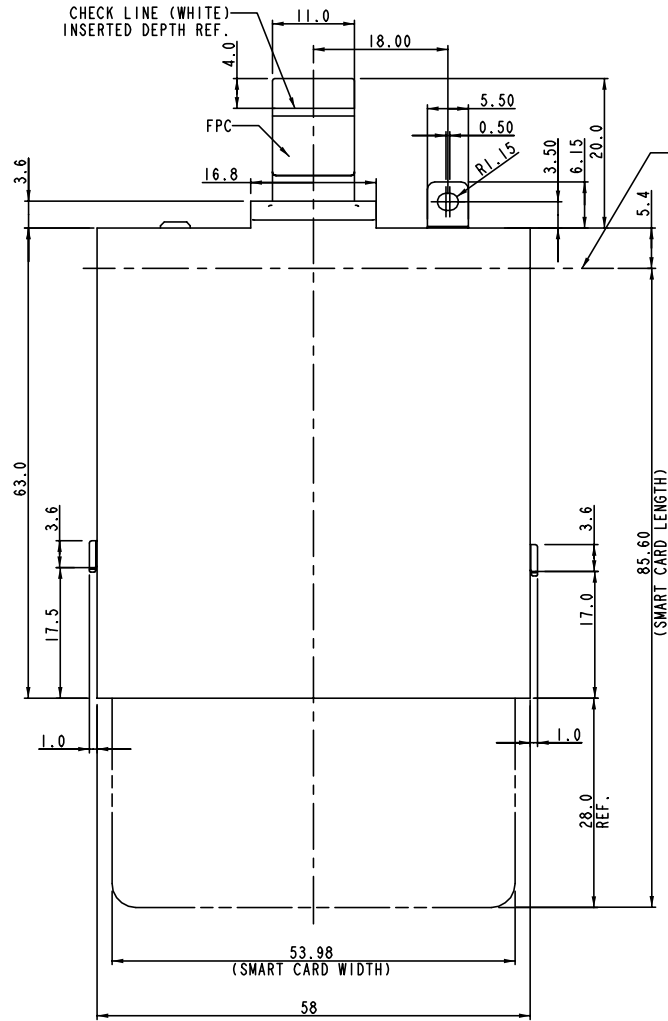
FPC PLATING SPEC AS BELOW:
CONTACT SURFACE: GOLD FLASH.
SOLDER TAIL: TIN PLATING.
 - CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
 - REFERENCE SPECIFICATION:
PRODUCT SPEC. GS 12-231
PACKING SPEC. GS 14-829
 - THE AREA IS PROHIBITED TO PASTE THE MYLAR AND LABEL.



10	RFU	10
9	I/O	9
8	Vpp	8
7	GND	7
6	Sensor 2	6
5	Sensor 1	5
4	Vcc	4
3	Reset	3
2	Clock	2
1	RFU	1
Terminal	ASSIGNMENT	FPC

mat'l. code				surface		tolerance		projection		product family	
				ISO 1302 ✓		ISO 406 ISO 1101				95	
ltr		ecn nodr		date		tolerances unless otherwise specified				title	
W						angles		linear		MM	
										SMART CARD READER	
						0±2'				ASSEMBLY	
								0.XX±0.30			
								0.XXX±0.10		scale NA	
						dr		A.JUANG		06/07/02	
						enr		A.JUANG		06/07/02	
						chr		A.JUANG		06/07/02	
						appd		JENN.TSAO		06/07/02	
										FCI	
										dwg no	
										sheet 14 of 21	
										size	
										10010556	
										A3	
										type Product Customer Drawing	
sheet		revision									
index		sheet									

PART NUMBER
10010556-013LF



NOTE:
 1. Material:
 METAL SHELL: STAINLESS STEEL, T=0.20mm
 GUIDE BLOCK: THERMOPLASTIC, UL94V-0.
 PCB: FR-4, T=0.80mm, UL94V-0.
 FPC: POLYIMIDE, T=0.30mm, UL94V-0.
 PLATING SPEC AS BELOW:
 UNDERPLATING: Ni 50 uin Min.
 CONTACT SIDE PLATING: Au 3 uin Min.
 SOLDER SIDE PLATING: Pure Tin 100 uin Min.
 TERMINAL: COPPER ALLOY.
 PLATING SPEC AS BELOW:
 UNDERPLATING: Ni 50 uin Min.
 CONTACT PLATING: Au 30 uin Min.
 SOLDER TAIL: Pure TIN 75 uin Min.
 2. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
 3. REFERENCE SPECIFICATION:
 PRODUCT SPEC.: GS-12-231.
 PACKING SPEC.: GS-14-829.

10	VCC	C 1
9	GND	C 5
8	RESET	C 2
7	VPP	C 6
6	CLOCK	C 3
5	I/O	C 7
4	RFU 4	C 4
3	RFU 8	C 8
2	SENSOR 2	
1	SENSOR 1	
PIN NO.	ASSIGNMENT	DEFINED BY ISO 7816

mat'l. code	surface	tolerance	projection	product family
ISO 1302	ISO 406	ISO 1181	95	
ltr ecn nldr date	tolerances unless otherwise specified	linear	MM	title
W	0.1±0.5	0.1±0.5	0.1±0.5	SMART CARD READER ASSEMBLY
	0.1±0.5	0.1±0.5	0.1±0.5	
	0.1±0.5	0.1±0.5	0.1±0.5	
dr	A.JUANG	06/07/02		dwg no
engr	A.JUANG	06/07/02		sheet 5 of 21
chr	A.JUANG	06/07/02		size
appd	JENN.TSAO	06/07/02		A3
sheet	revision			type Product Customer Drawing
index	sheet			

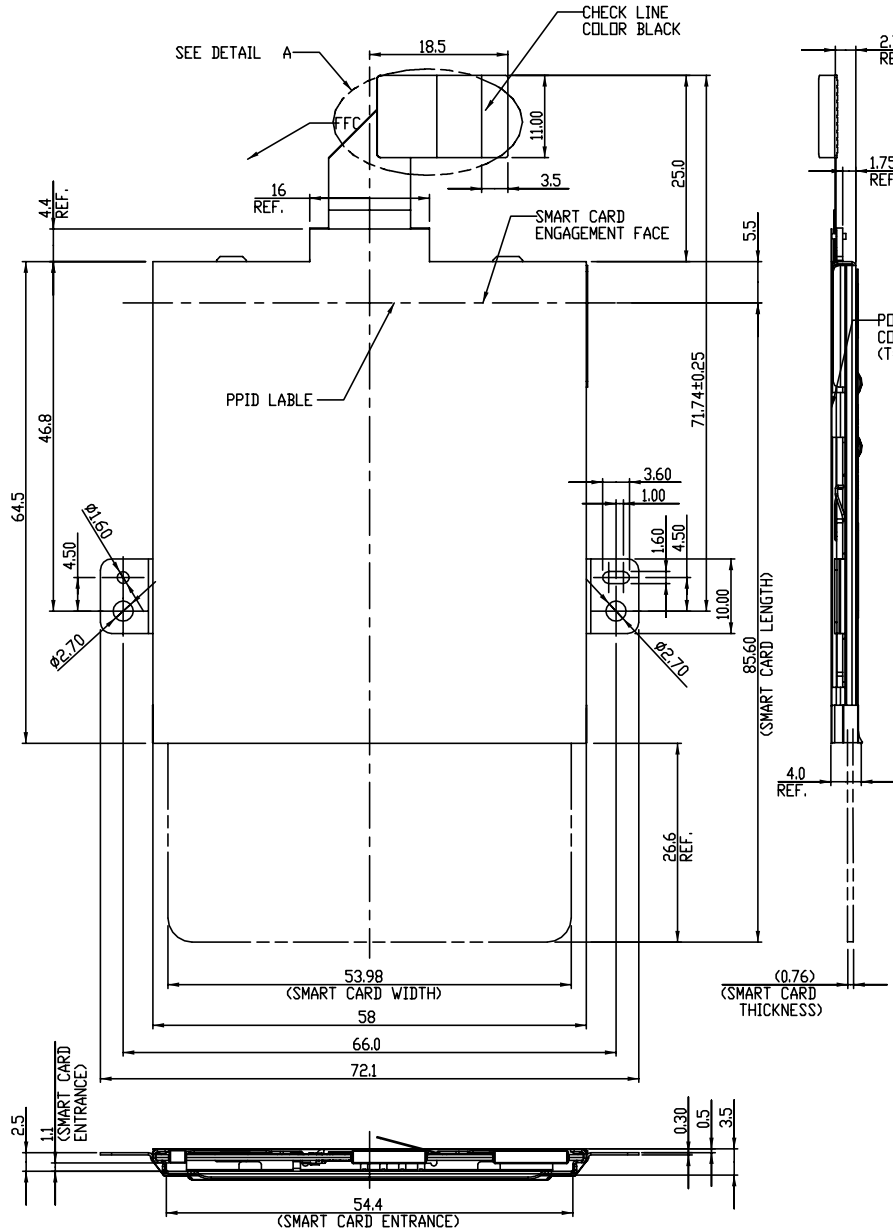
Printed: Feb 04, 2013



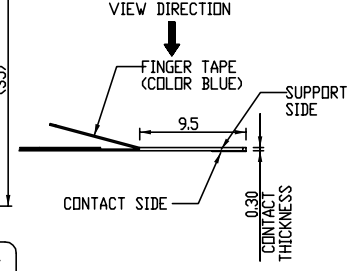
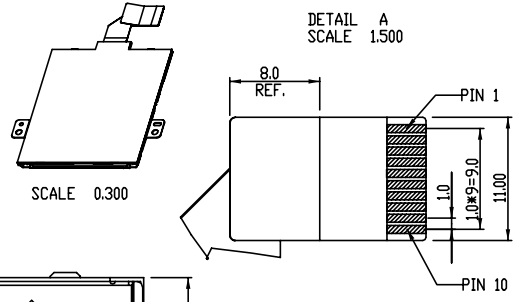
FCIconnect.com

Copyright FCI

PART NUMBER
10010556-015LF



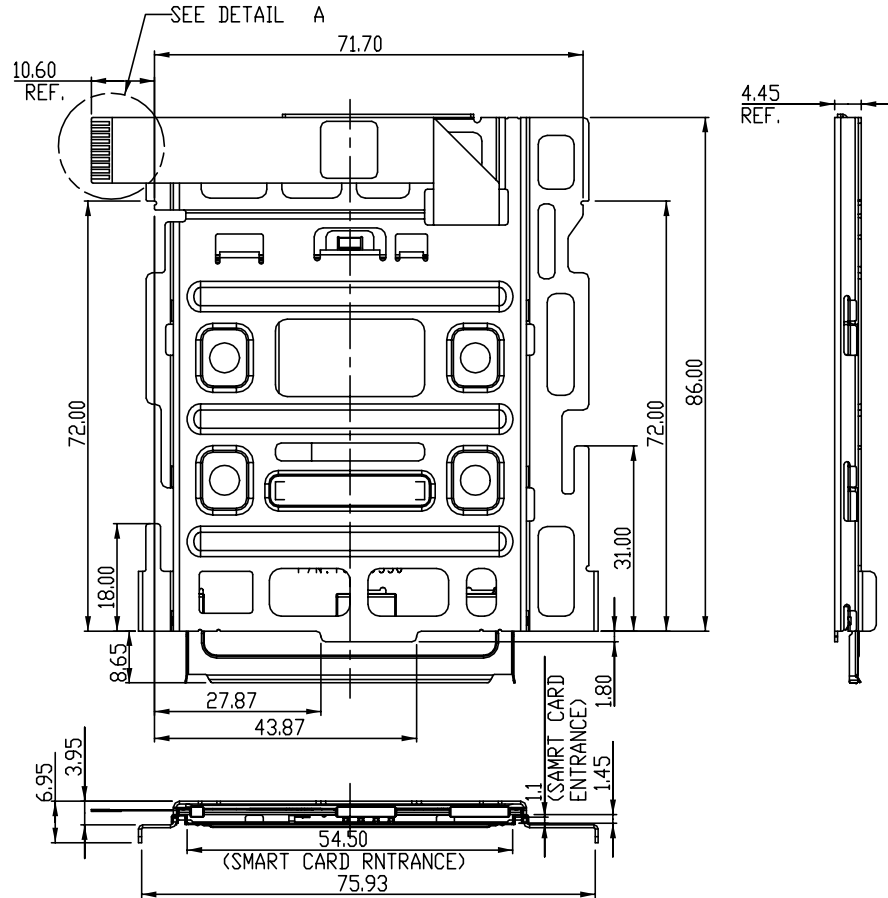
- NOTES:
- Material:
 - METAL SHELL: STAINLESS STEEL, T=0.30mm
 - GUIDE BLOCK: THERMOPLASTIC, UL94V-0.
 - PCB: FR-4, T=0.80mm, UL94V-0.
 - FFC: POLYESTER, T=0.30mm, UL20624, NO PRINTING.
 - PLATING SPEC AS BELOW:
 - CONTACT SIDE PLATING: Au 3 uin, Min.
 - SOLDER SIDE PLATING: Matte Tin 100 uin Min.
 - TERMINAL: PHOSPHOR BRONZE.
 - PLATING SPEC AS BELOW:
 - UNDERPLATING: Ni 50 uin Min.
 - CONTACT PLATING: Au 30 uin Min.
 - SOLDER TAIL: Matte TIN 75 uin Min.
 - LEAD FREE AND ROHS COMPLIANT PRODUCT.
 - CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD.
 - REFERENCE SPECIFICATION:
 - PRODUCT SPEC: GS-12-231.
 - PACKING SPEC: GS-14-829.



10	SENSOR 2
9	SENSOR 1
8	RFU8
7	I/O
6	VPP
5	GND
4	RFU4
3	CLOCK
2	RESET
1	VCC
PIN NO.	ASSIGNMENT

mat'l. code	surface	tolerance	projection	product family
	ISO 1302 ✓	ISO 406 ISO 1181		95
ltr ecn nodr date	tolerances unless otherwise specified			
W	angles	0.X±0.5	MM	SMART CARD READER ASSEMBLY
	linear	0.XX±0.30		
	0±2°	0.XXX±0.10	scale NA	
dr	A.JUANG	06/07/02		dwg no
enr	A.JUANG	06/07/02		sheet 7 of 21
chr	A.JUANG	06/07/02		size A3
appd	JENN.TSAO	06/07/02		type Product Customer Drawing
sheet index	revision sheet			

PRODUCT NO.
10010556-016LF



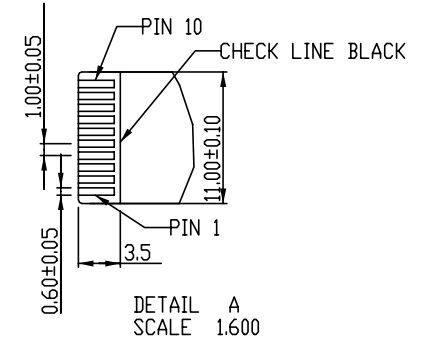
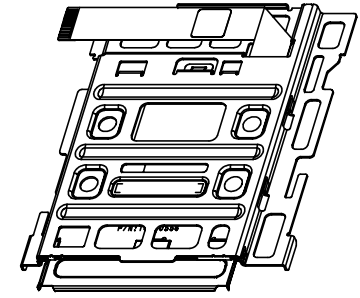
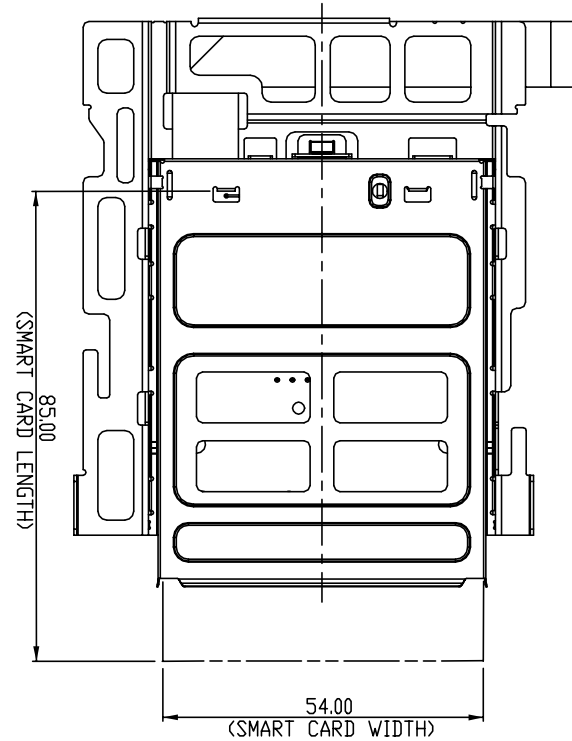
NOTES:

1. Material:

METAL SHELL: STAINLESS STEEL
BRACKET: STEEL
GUIDE BLOCK: THERMOPLASTIC, UL94V-0.
PCB: FR-4, T=0.80mm, UL94V-0.
FFC: POLYESTER, UL20624.
PLATING SPEC AS BELOW:
CONTACT SIDE PLATING: GOLD.
SOLDER SIDE PLATING: Pure Tin.
TERMINAL: COPPER ALLOY.

PLATING SPEC AS BELOW:
UNDERPLATING: NICKEL.
CONTACT PLATING: GOLD.
SOLDER TAIL: Pure TIN.

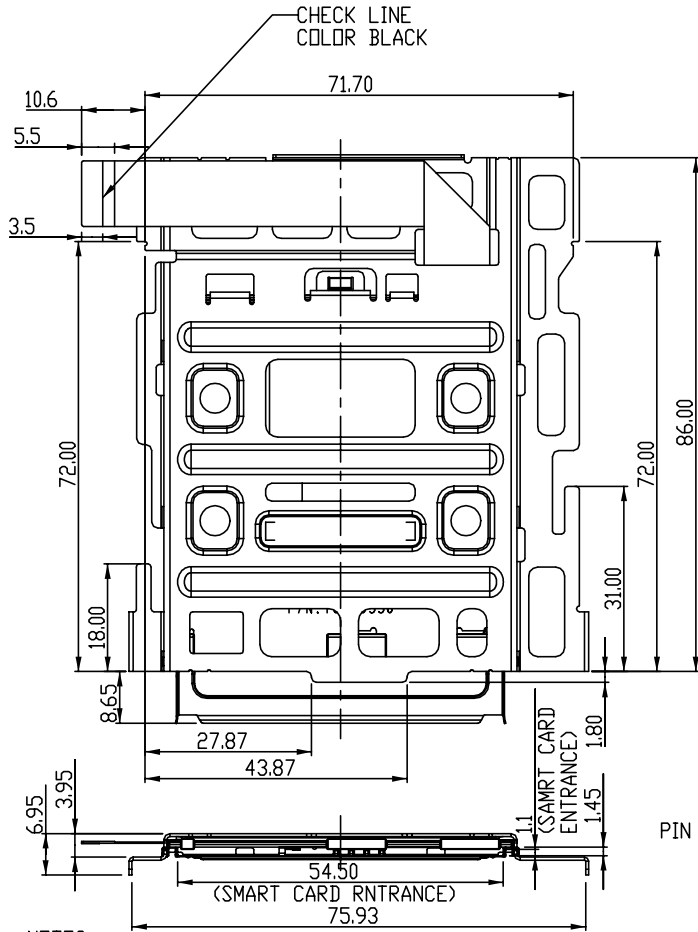
2. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
3. REFERENCE SPECIFICATION:
PRODUCT SPEC: GS-12-231.
PACKING SPEC: GS-14-829.



10	VCC	C1
9	RESET	C2
8	CLOCK	C3
7	RFU 4	C4
6	GND	C5
5	VPP	C6
4	I/O	C7
3	RFU 8	C8
2	SENSOR 2	
1	SENSOR 1	
PIN NO.	ASSIGNMENT	PIN NO. DEFINED BY ISO-7816

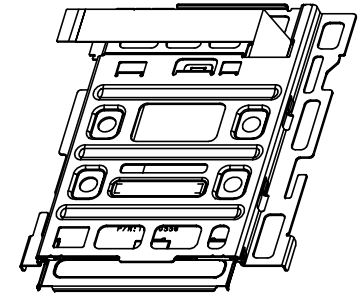
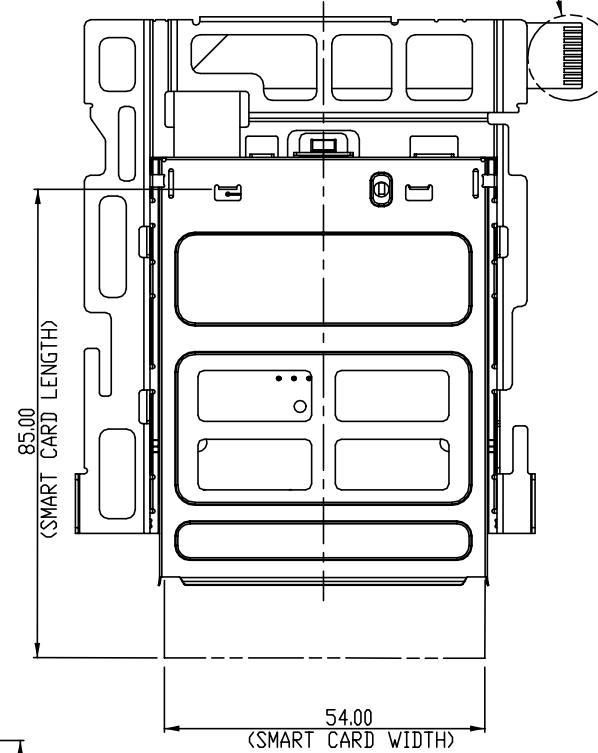
mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1101	95
ltr ecn nodr date	tolerances	unless otherwise specified	title	
W	angles	linear	MM	SMART CARD READER ASSEMBLY
	0±2°	0.X±0.5 0.XX±0.30 0.XXX±0.10	scale NA	
dr	A.JUANG	06/07/02		dwg no
enr	A.JUANG	06/07/02		sheet 8 of 21
chr	A.JUANG	06/07/02		size A3
appd	JENN.TSAO	06/07/02		type Product Customer Drawing
sheet index	revision sheet			

PRODUCT NO.
10010556-017LF



4.45
REF.

SEE DETAIL A



NOTES:

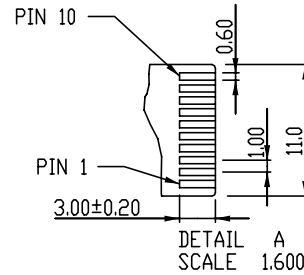
1. Material:

METAL SHELL: STAINLESS STEEL
BRACKET: STEEL
GUIDE BLOCK: THERMOPLASTIC, UL94V-0.
PCB: FR-4, T=0.80mm, UL94V-0.
FFC: POLYESTER, UL20624.
PLATING SPEC AS BELOW:
CONTACT SIDE PLATING: GOLD FLASH 0.076um MIN.
SOLDER SIDE PLATING: MATTE Tin.
TERMINAL: COPPER ALLOY.

PLATING SPEC AS BELOW:

UNDERPLATING: NICKEL.
CONTACT PLATING: GOLD 0.76um MIN.
SOLDER TAIL: MATTE TIN.

2. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
3. REFERENCE SPECIFICATION:
PRODUCT SPEC: GS-12-231.
PACKING SPEC: GS-14-829.



10	VCC	C1
9	RESET	C2
8	CLOCK	C3
7	RFU 4	C4
6	GND	C5
5	VPP	C6
4	I/O	C7
3	RFU 8	C8
2	SENSOR 2	
1	SENSOR 1	
PIN NO.	ASSIGNMENT	PIN NO. DEFINED BY ISO-7816

mat'l. code	surface ISO 1302	tolerance ISO 406	projection ISO 1101	product family 95
ltr ecn nldr date	tolerances unless otherwise specified	angles	linear	title
W		0.X±0.5	MM	SMART CARD READER ASSEMBLY
		0.XX±0.30	scale NA	
		0.XXX±0.10		
dr	A.JUANG	06/07/02		dwg no
enr	A.JUANG	06/07/02		sheet 19 of 21
chr	A.JUANG	06/07/02		size A3
appd	JENN.TSAO	06/07/02		type Product Customer Drawing
sheet index	revision sheet			

PRODUCT NO
10010556-018LF

SEE DETAIL A

FFC

2.50

0.20
(SHIELD THICKNESS)

2.10

75.00

5.40

85.60
(SMART CARD LENGTH)

(53.98)
(SMART CARD WIDTH)

(28.00)

DETAIL C
SCALE 2.000

DETAIL B
SCALE 2.000

NOTE:

1. Material:

METAL SHELL: STAINLESS STEEL, T=0.20mm

PCB: FR-4, T=0.80mm

TERMINAL: PHOSPHOR BRONZE

PLATING SPEC AS BELOW:

ALL OVER NICKEL UNDERPLATING

GOLD PLATING ON CONTACT SURFACE.

MATTE TIN PLATING ON SOLDER TAIL.

FLEXIBLE FLAT CABLE: TOTAL LENGTH=124±2mm

PLATING SPEC AS BELOW:

CONTACT SURFACE: TIN PLATING.

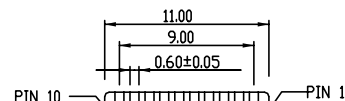
SOLDER TAIL: TIN PLATING.

2. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD

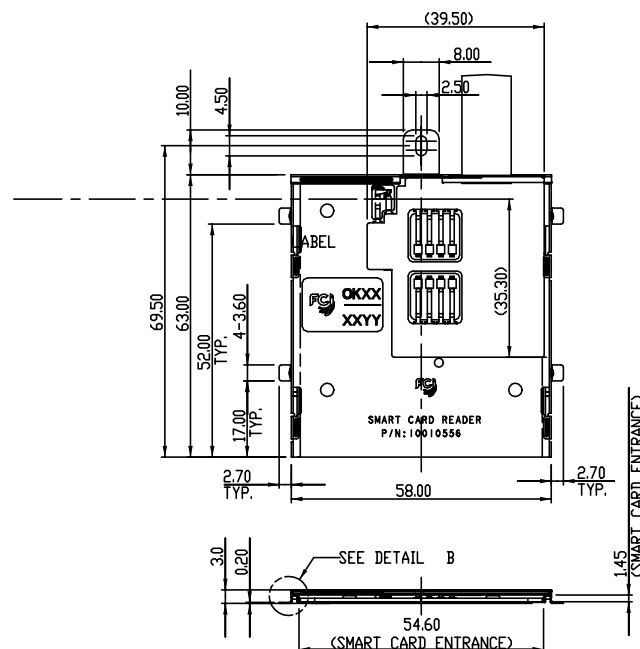
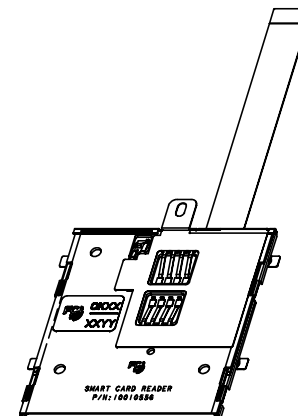
3. REFERENCE SPECIFICATION:

PRODUCT SPEC. GS 12-231

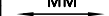
PACKING SPEC. GS 14-829



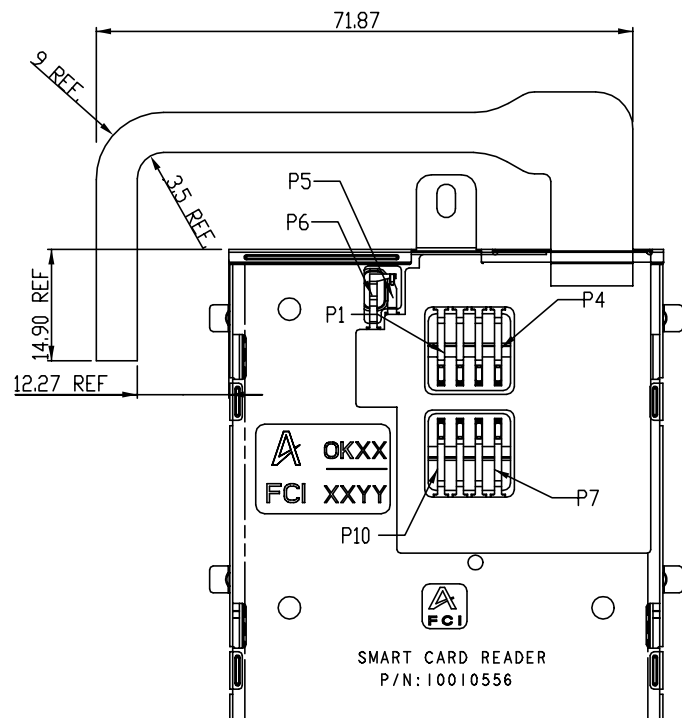
DETAIL A
SCALE 2.000



10	RFU
9	I/O
8	Vpp
7	GND
6	Sensor 2
5	Sensor 1
4	Vcc
3	Reset
2	Clock
1	RFU
PIN NO.	ASSIGNMENT

mat'l. code				surface		tolerance		projection		product family							
				ISO 1302 ✓		ISO 406 ISO 1181				95							
l	tr	ec	n	d	r	date				tolerances unless otherwise specified		title					
W						angles	linear	0.X±0.5				SMART CARD READER ASSEMBLY					
								0.XX±0.30									
						0±2°		0.XXX±0.10									
								scale NA									
						dr	A.JUANG	06/07/02				dwg no		sheet 20 of 21		size	
						enr	A.JUANG	06/07/02				10010556		A3			
						chr	A.JUANG	06/07/02									
						appd	JENN.TSAO	06/07/02				type Product Customer Drawing					
sheet index		revision sheet															

PRODUCT NO
10010556-019LF



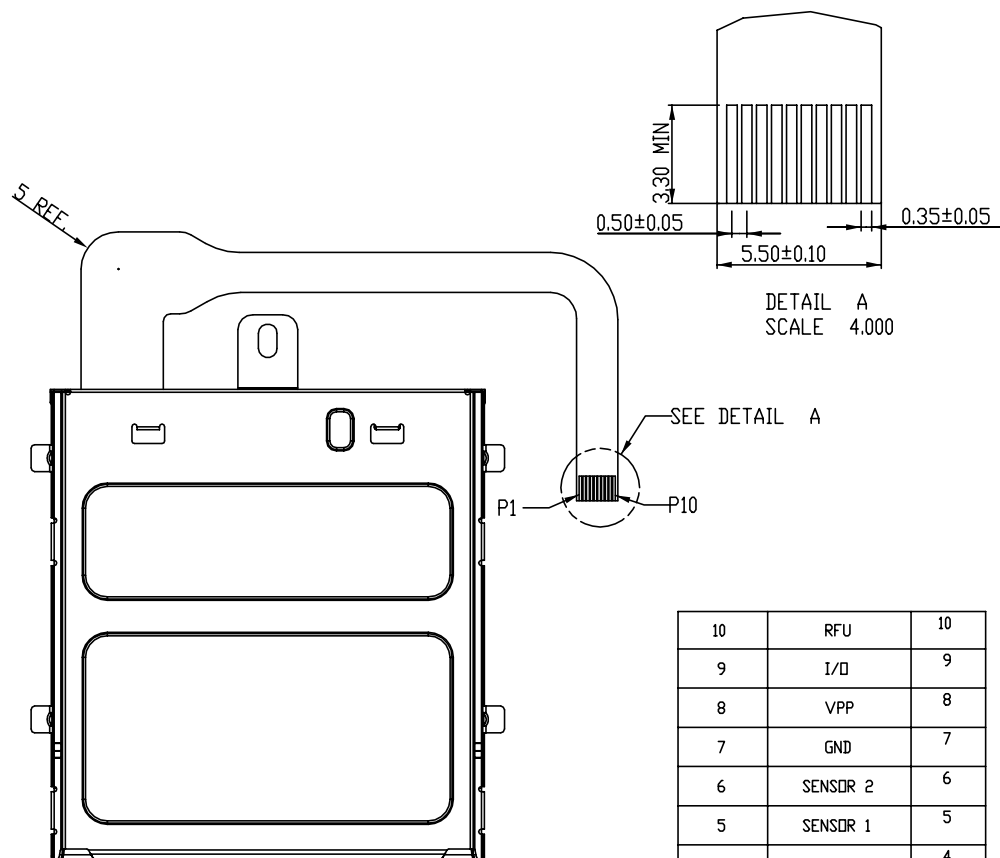
NOTES:

1. MATERIAL:

SHELL: STAINLESS STEEL T=0.20MM
PCB FR-4 T=0.80MM
TERMINAL PHOSPHOR BRONZE
FPC PLATING GOLD FLASH.

2. REFERENCE SPECIFICATION:

PRODUCT SPEC. GS 12-231
PACKING SPEC. GS 14-829



DETAIL A
SCALE 4.000

10	RFU	10
9	I/O	9
8	VPP	8
7	GND	7
6	SENSOR 2	6
5	SENSOR 1	5
4	VCC	4
3	RESET	3
2	CLOCK	2
1	RFU	1
PIN NO.	ASSIGNMENT	FPC

mat'l. code	surface	tolerance	projection	product family
ISO 1302	ISO 406	ISO 1181	95	
ltr ecn nldr date	tolerances unless otherwise specified	linear	MM	title
W	0.X±0.5	0.XX±0.30	0.XXX±0.10	scale NA
dr	A.JUANG	06/07/02		
enr	A.JUANG	06/07/02		
chr	A.JUANG	06/07/02		
appd	JENN.TSAO	06/07/02		
sheet index	revision sheet			

dwg no	sheet 21 of 21	size
10010556		A3
type	Product Customer Drawing	