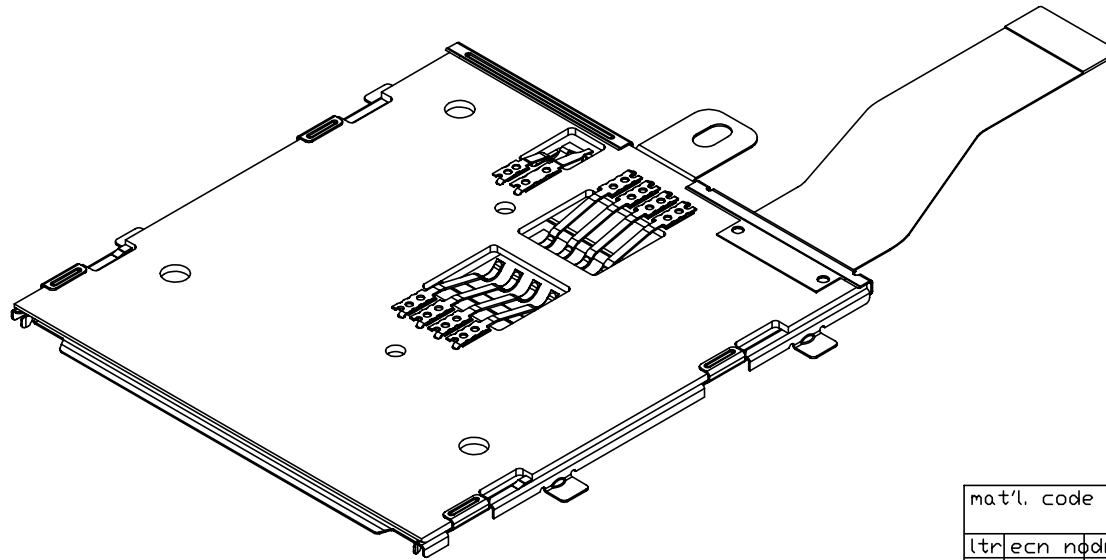


PRODUCT NO.	FPC	PACKAGING	COMPONENTS	LEAD FREE	PCB COLOR
10010556-002LF	10010559-002LF	10017475-02-002	ELEC. PARTS	YES	BLUE
10010556-003LF	10105325-001	10017475-02-009	N/A	YES	BLACK
10010556-004LF	10056226-002LF(FFC)	10017475-02-004	N/A	YES	BLUE
10010556-006LF	10058983-001LF	10017475-02-003	N/A	YES	BLACK
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.

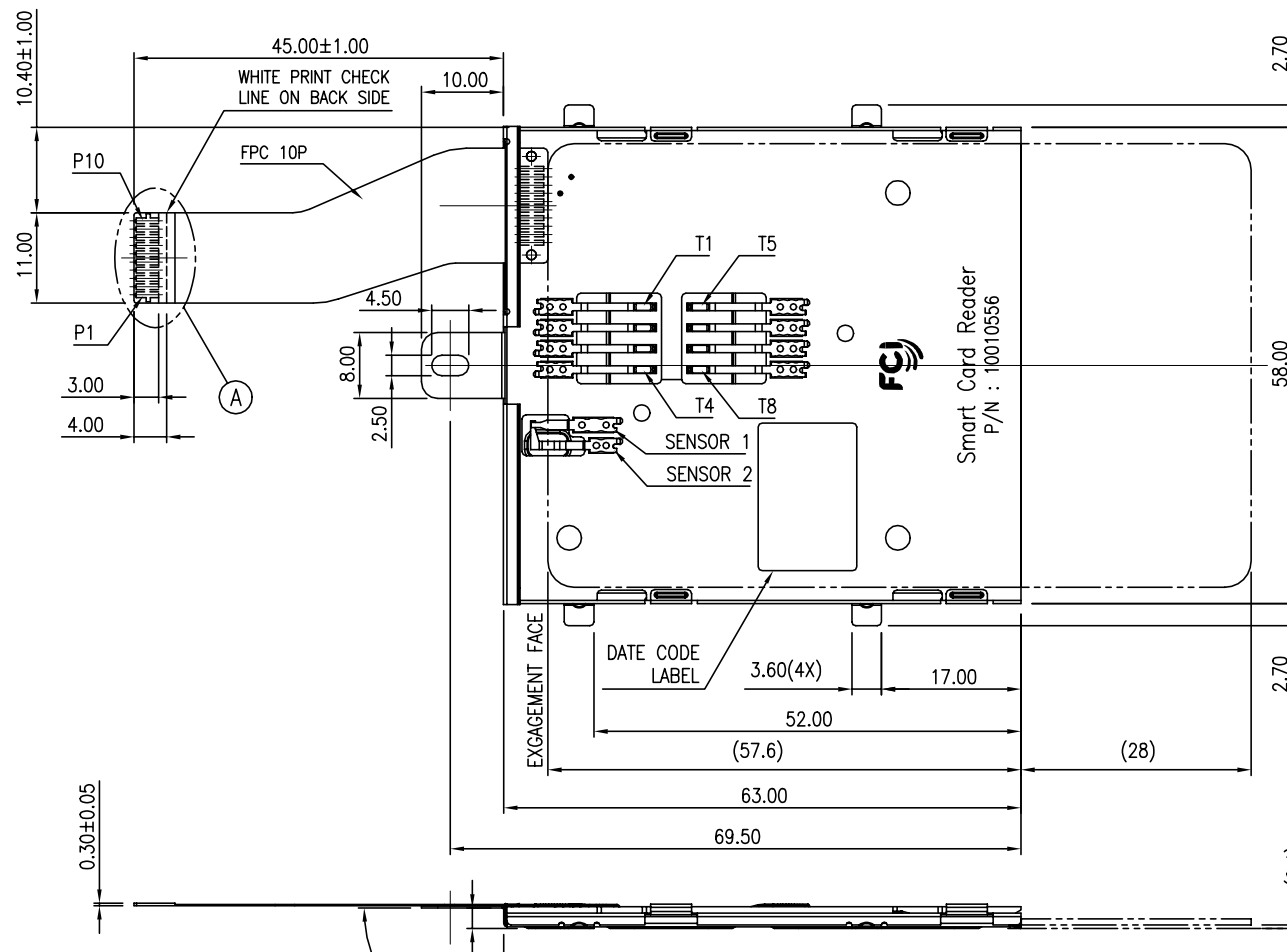


mat'l. code				surface		tolerance		projection		product family	
				ISO 1302 ✓		ISO 406 ISO 1181				95	
ltr	ec	n	odr	date		tolerances unless otherwise specified				title	
R	N08-0136	SH	07/07/08			0.X±0.5				SMART CARD READER ASSEMBLY	
S	N08-0212	SH	10/06/08	angles linear		0.XX±0.30					
T	N09-0224	SH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

PRODUCT NO.

10010556-002LF

CONTACT SIDE

TYP. 1.00±0.05
TYP. 0.70±0.05
P1 P10DETAIL "A"
FPC CONTACTS

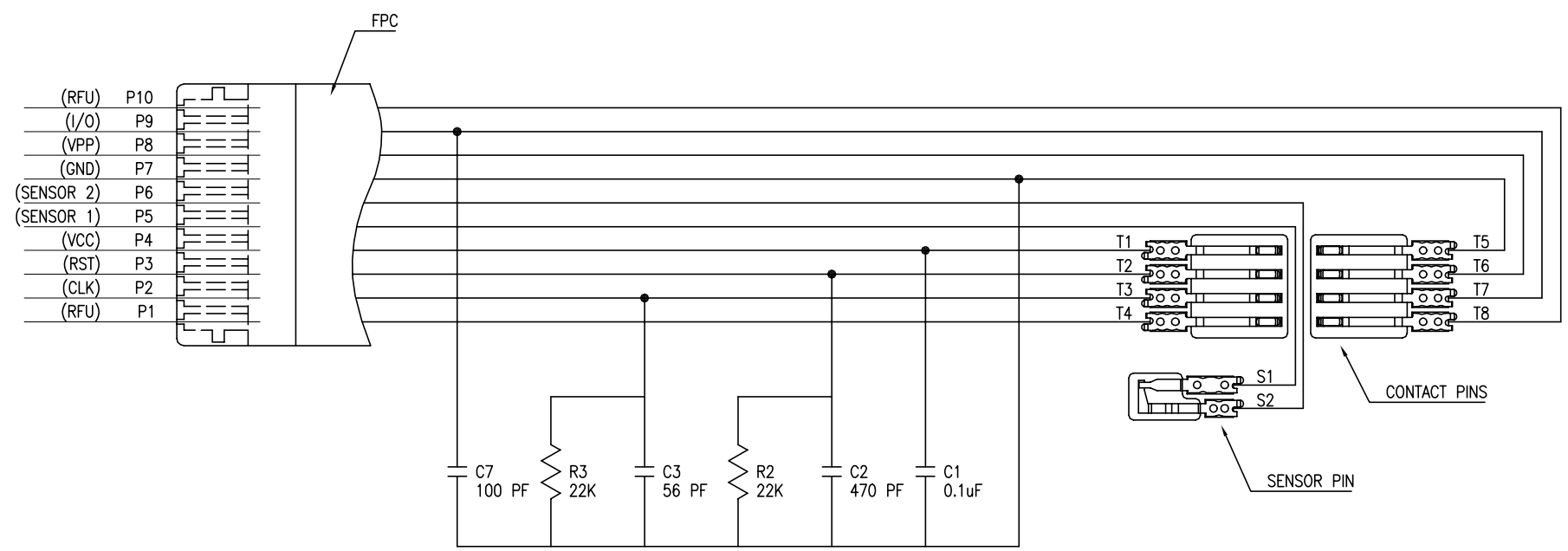
SMART CARD	TERMINAL	FPC	FUNC.
C4	T4	P1	RFU
C3	T3	P2	Clock
C2	T2	P3	Reset
C1	T1	P4	Vcc
SENSOR 1	SENSOR 1	P5	SENSOR
SENSOR 2	SENSOR 2	P6	SENSOR
C5	T5	P7	Gnd
C6	T6	P8	Vpp
C7	T7	P9	I/O
C8	T8	P10	RFU

mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
ltr ecn nldr	date	tolerances unless otherwise specified	linear	title
W		0.X±0.5	MM	SMART CARD READER ASSEMBLY
	angles	0.XX±0.30	scale NA	
	0±2'	0.XXX±0.10		
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
app'd	JENN.TSAO	06/07/02		10010556
sheet index	revision sheet			type Product Customer Drawing



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PRODUCT NO.
10010556-002LF



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			MM			SMART CARD READER ASSEMBLY		
			0±2°			0.X±0.5			scale NA					
						0.XX±0.30								
						0.XXX±0.10								
			dr			A.JUANG			06/07/02			dwg no		
			enr			A.JUANG			06/07/02			sheet 3 of 21		
			chr			A.JUANG			06/07/02			10010556		
			appd			JENN.TSAO			06/07/02			type Product Customer Drawing		
sheet index			revision sheet											

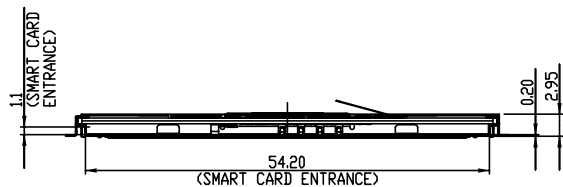
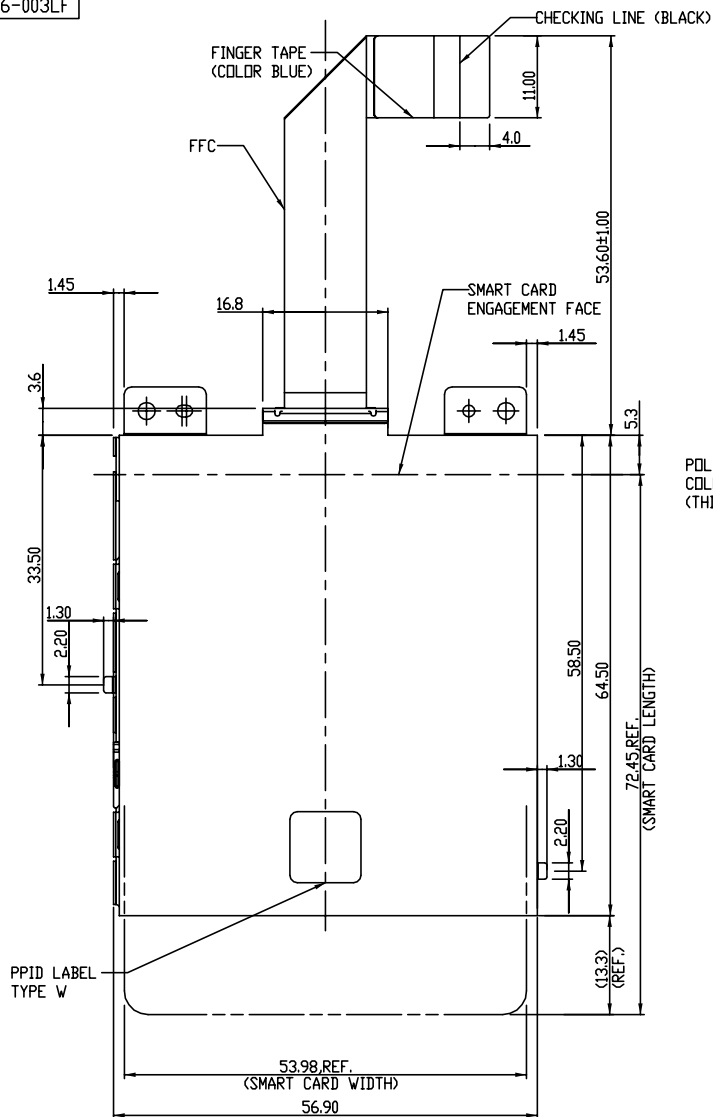


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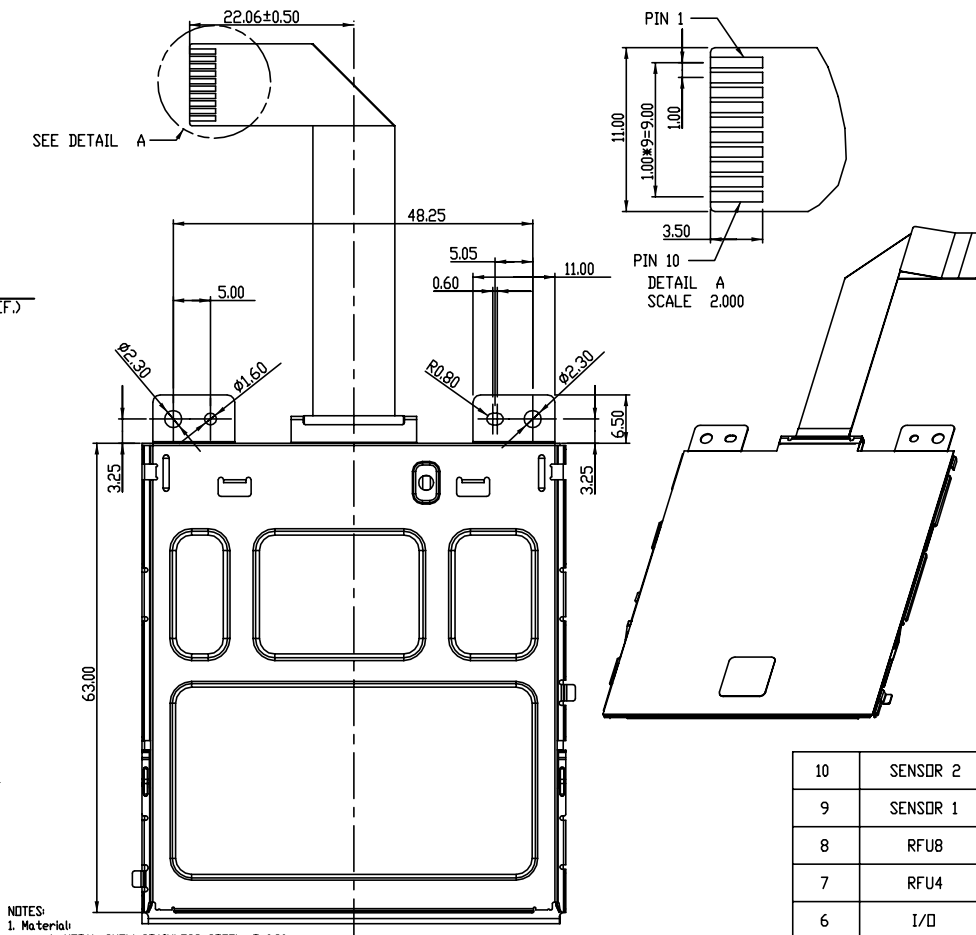
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D

PART NUMBER
10010556-003LF



(0.76)
(SMART CARD THICKNESS)



NOTES:

1. Materials:

- 1a. METAL SHELL: STAINLESS STEEL, T=0.20mm.
- 1b. GUIDE BLOCK: THERMOPLASTIC, UL94V-0.
- 1c. PCB: FR-4, T=0.80mm, UL94V-0.
- 1d. FLAT CABLE: POLYESTER, JUL20624, NO PRINTING, PLATING SPEC AS BELOW:
 - CONTACT SIDE PLATING: Au 1-3 uin.
 - SOLDER SIDE PLATING: Matte Tin 50uin Min.
- 1e. TERMINAL: PHOSPHOR BRONZE, PLATING SPEC AS BELOW:
 - UNDERPLATING: Ni 100 uin Min.
 - CONTACT PLATING: Au 30 uin Min.
 - SOLDER TAIL: Matte TIN 75 uin Min.
- 2. LEAD FREE AND ROHS COMPLIANT PRODUCT.
- 3. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD.
- 4. REFERENCE SPECIFICATION:
 - PRODUCT SPEC: GS-12-231.
 - PACKING SPEC: GS-14-829.

10	SENSOR 2	
9	SENSOR 1	
8	RFU8	C 8
7	RFU4	C 4
6	I/D	C 7
5	CLOCK	C 3
4	VPP	C 6
3	RESET	C 2
2	GND	C 5
1	VCC	C 1
PIN NO.	ASSIGNMENT	DEFINED BY ISO 7816

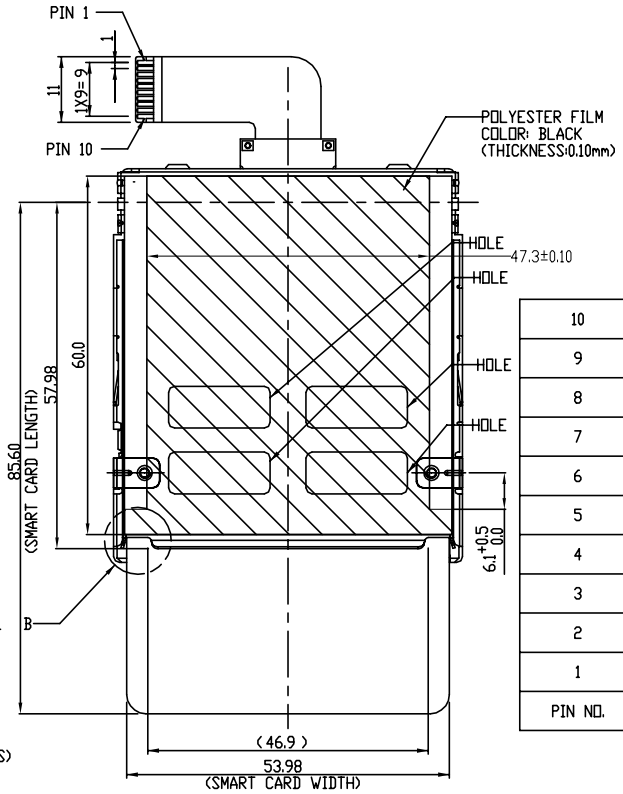
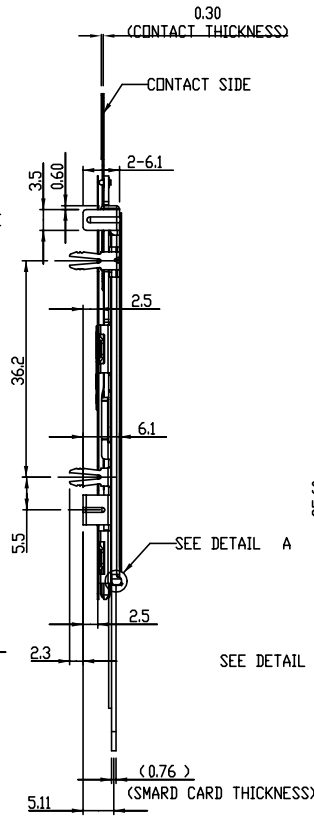
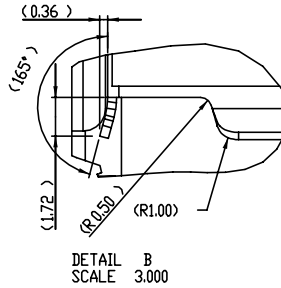
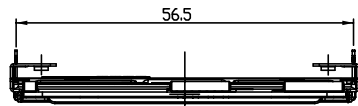
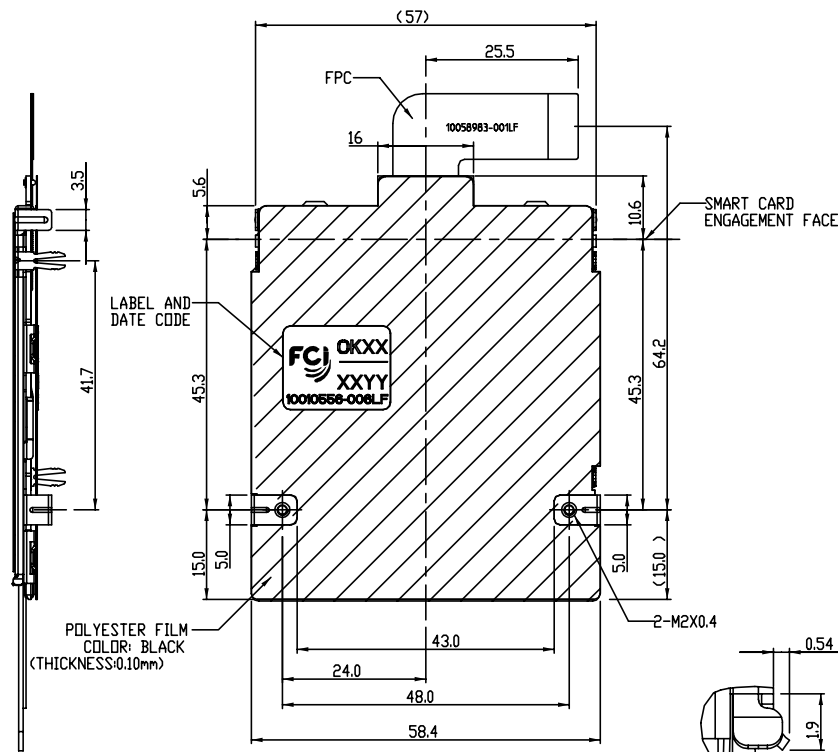
mat'l. code	surface ISO 1302 ✓	tolerance ISO 406 ISO 1181	projection ISO 1181	product family 95
ltr ecn nldr date	tolerances unless otherwise specified	linear	MM	title SMART CARD READER ASSEMBLY
W	angles	0.X±0.5 0.XX±0.30 0.XXX±0.10	scale NA	dwg no 10010556
dr	A. JUANG	06/07/02		sheet 4 of 21
enr	A. JUANG	06/07/02		size A3
chr	A. JUANG	06/07/02		
appd	JENN.TSAO	06/07/02		type Product Customer Drawing
sheet index	revision 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
l'tecn n'dr	date	tolerances	unles other	wise specified
W		angles	linear	linear
		0±2°	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		
app	JENN.TSAO	06/07/02		
sheet	revision			
index	sheet			

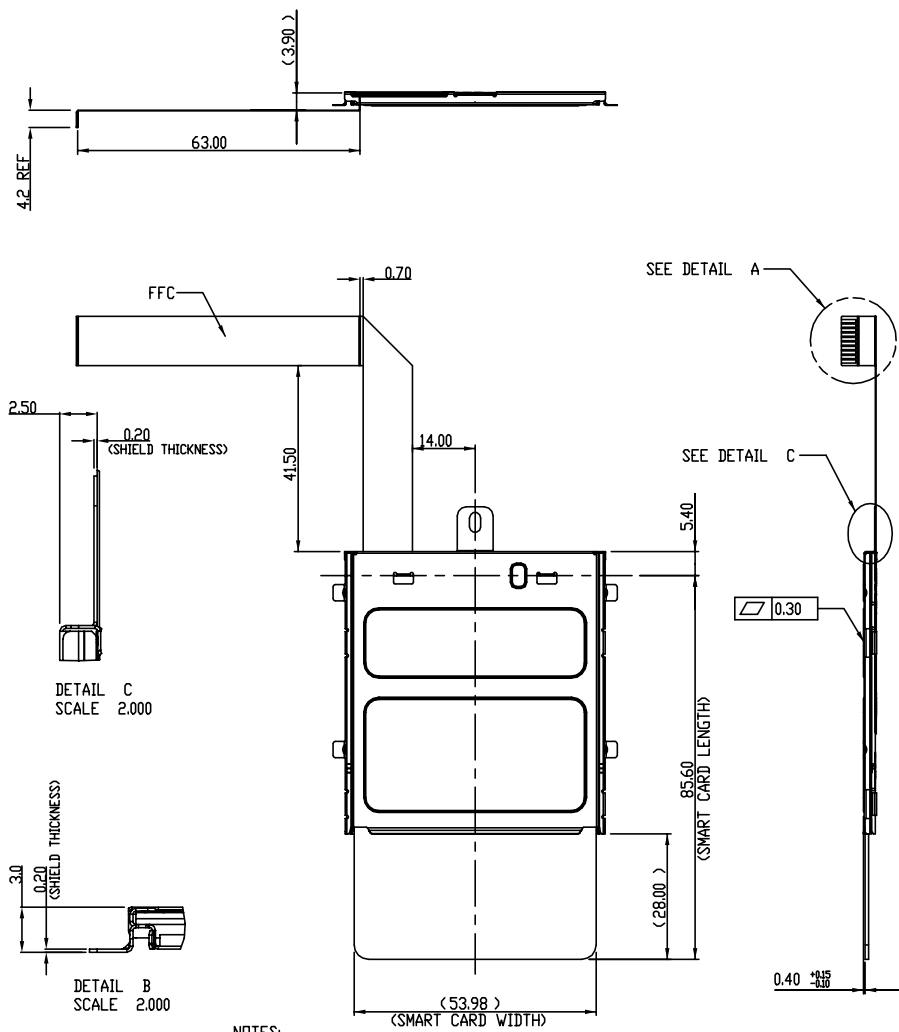
dwg no	sheet 6 of 21	size
10010556		A3
type	Product Customer Drawing	



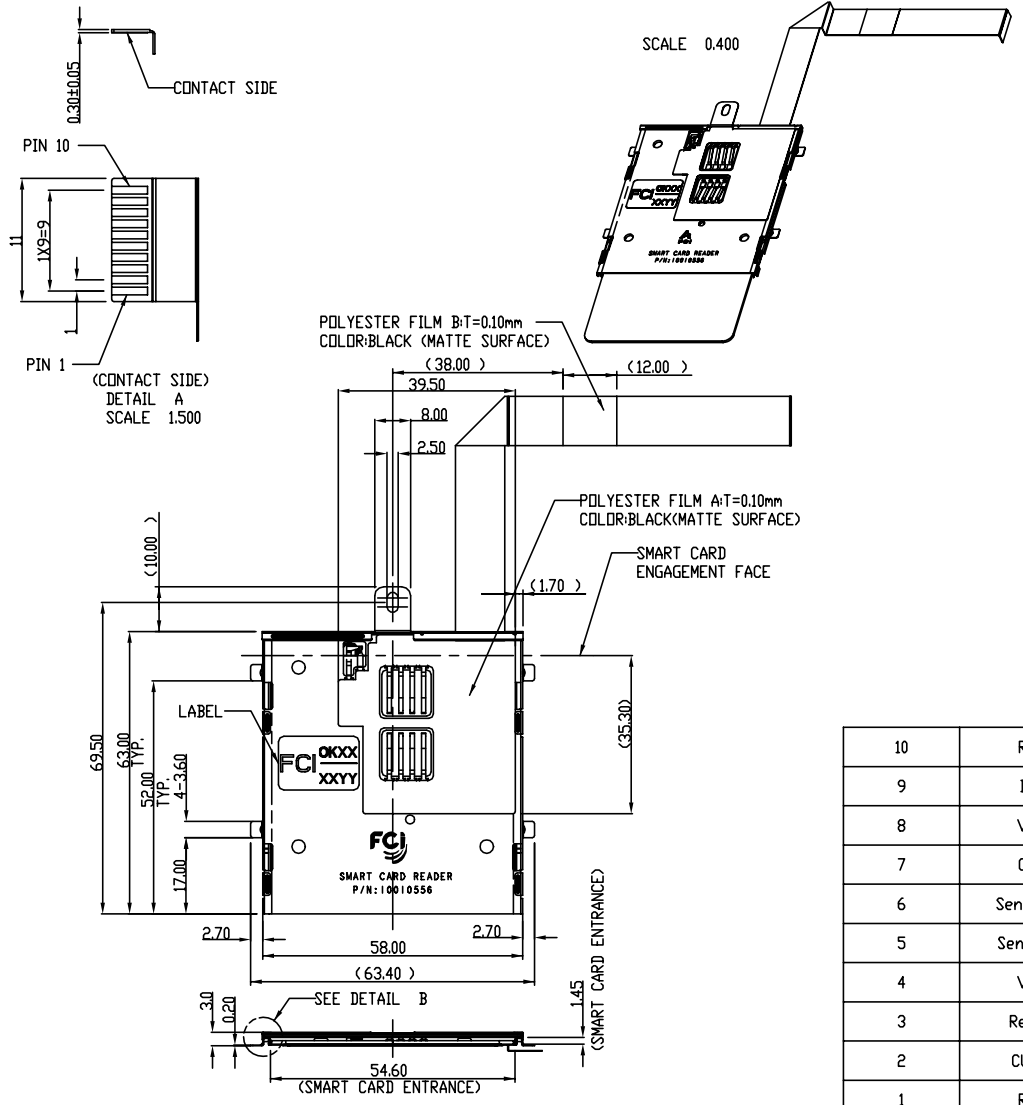
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PRODUCT NO
10010556-004LF



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=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



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

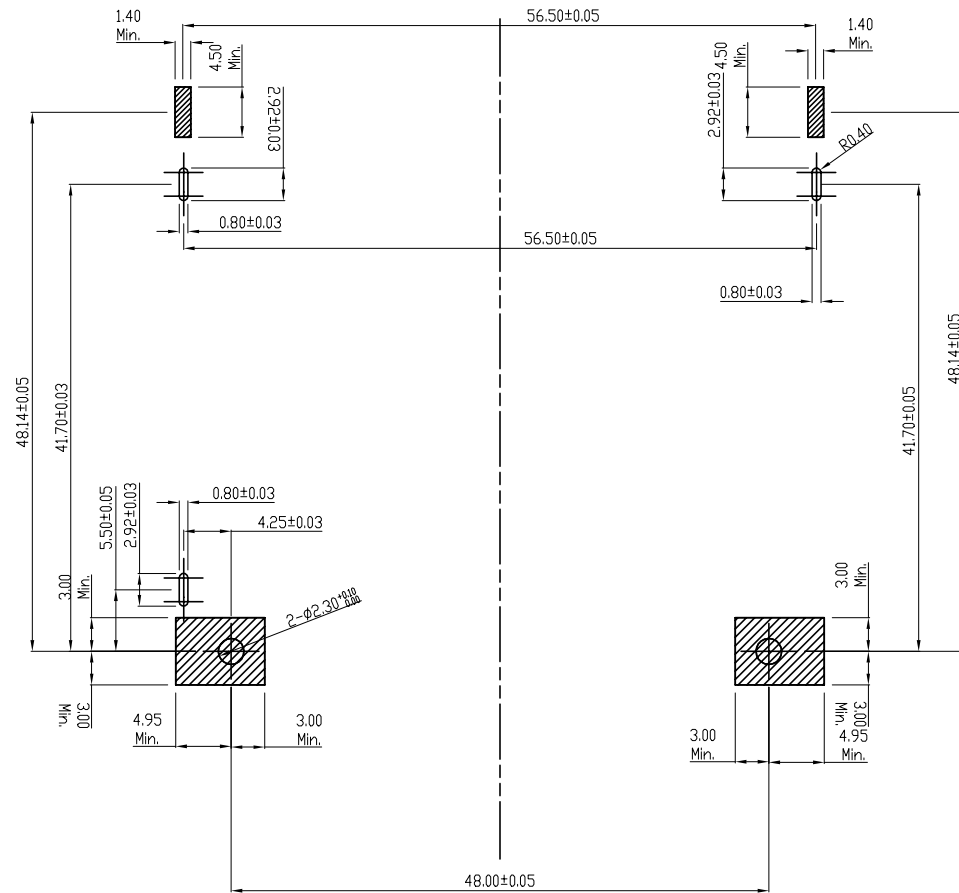
mat'l. code				surface		tolerance		projection		product family	
				ISO 1302 ✓		ISO 406 ISO 1181				95	
l		tr		ec		n		d		r	
date		tolerances unless otherwise specified									
W											
				angles		0.X±0.5		MM		SMART CARD READER ASSEMBLY	
				linear		0.XX±0.30					
				0±2'		0.XXX±0.10		scale NA			
				dr		A.JUANG		06/07/02		dwg no	
				enr		A.JUANG		06/07/02		sheet 5 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									



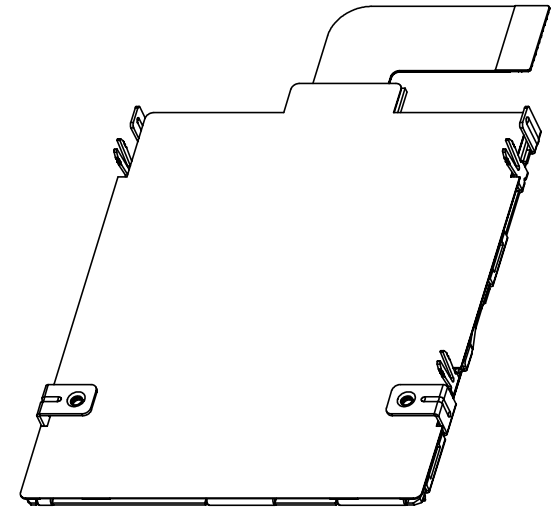
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PRODUCT NO
10010556-006LF



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

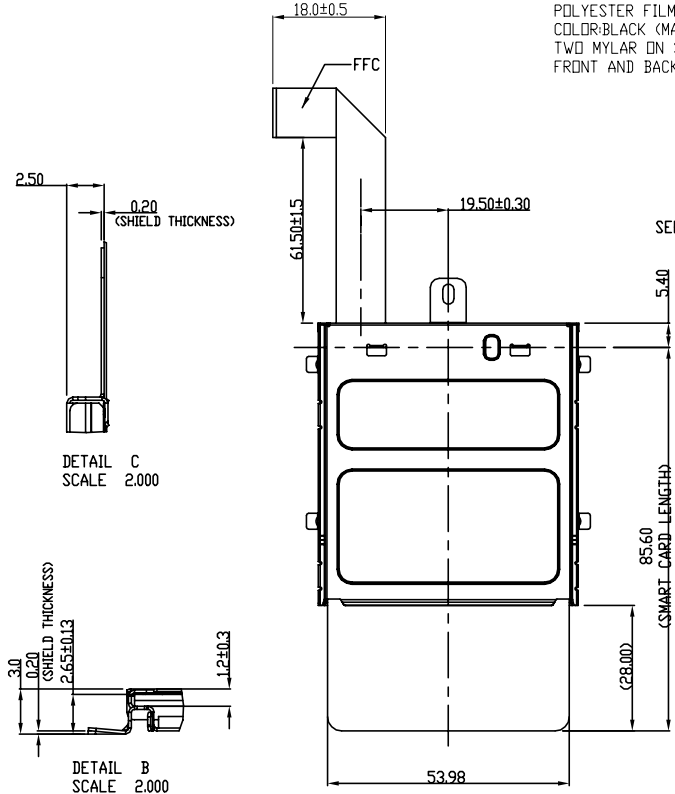
mat'l. code		surface	tolerance	projection	product family
ISO 1302		ISO 406	ISO 1101	95	
l	tr	ec	n	o	d
date	tolerances unless otherwise specified		title		
W		angles	linear	MM	SMART CARD READER ASSEMBLY
		0±2°	0.X±0.5	scale NA	
			0.XX±0.30		
			0.XXX±0.10		
		dr	A.JUANG	06/07/02	dwg no
		enr	A.JUANG	06/07/02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



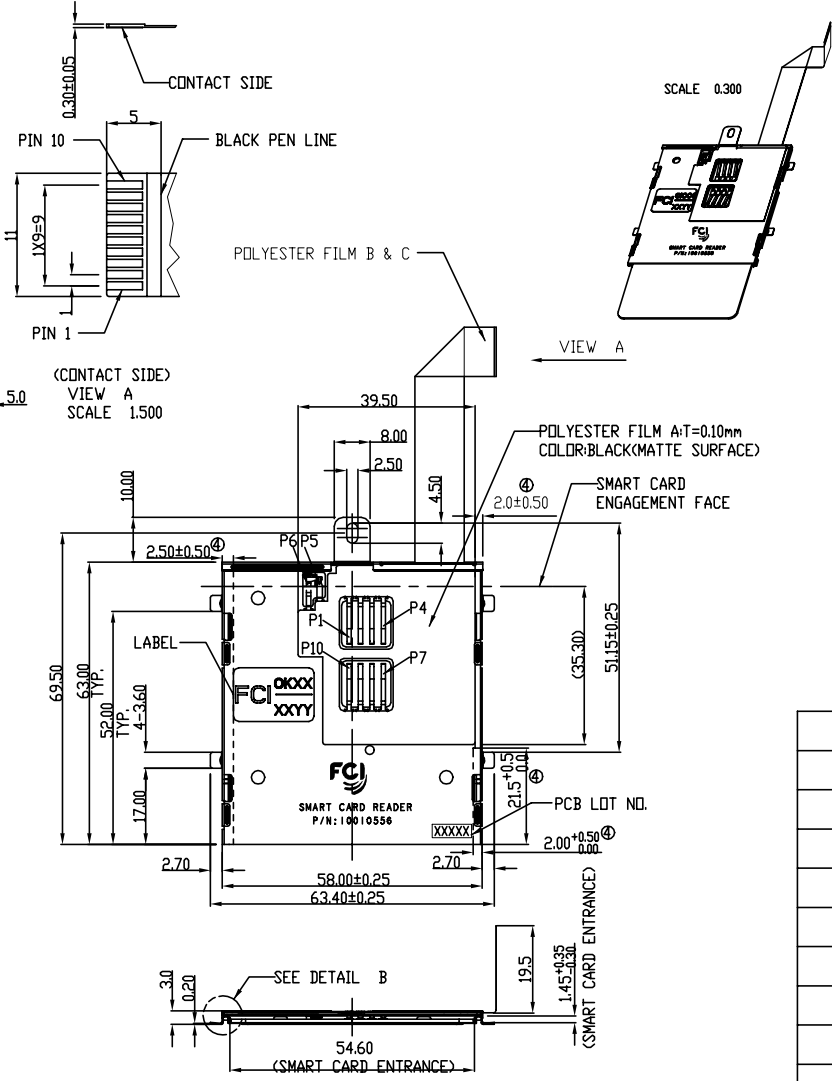
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D

PRODUCT NO
10010556-005LF

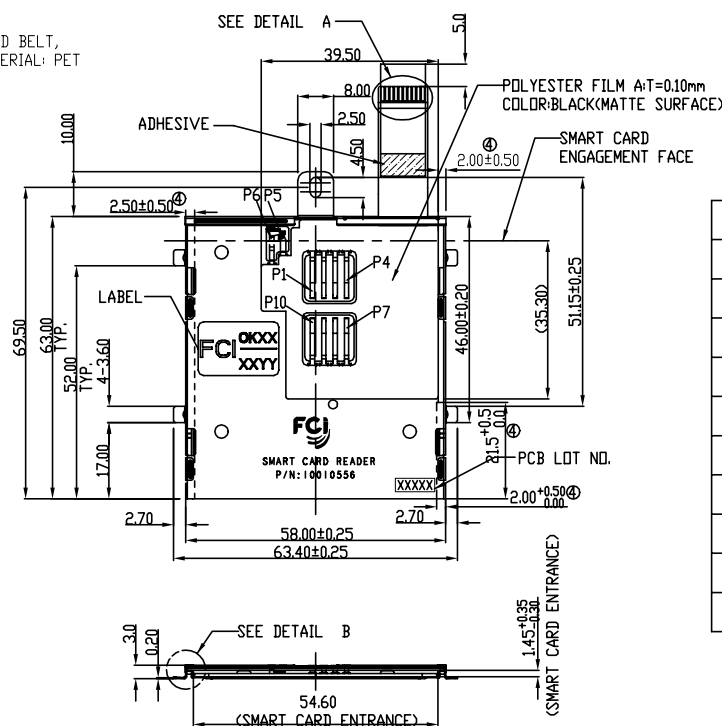
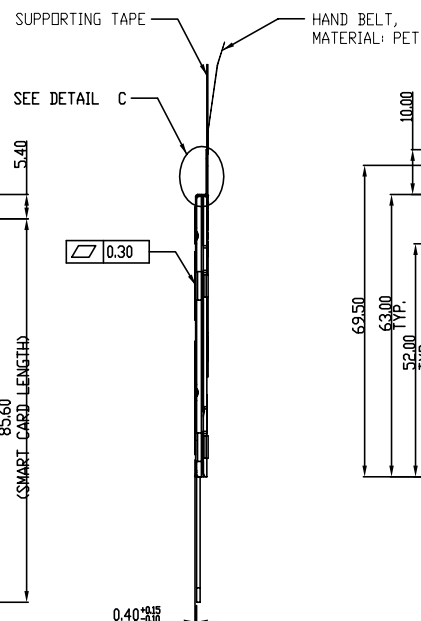
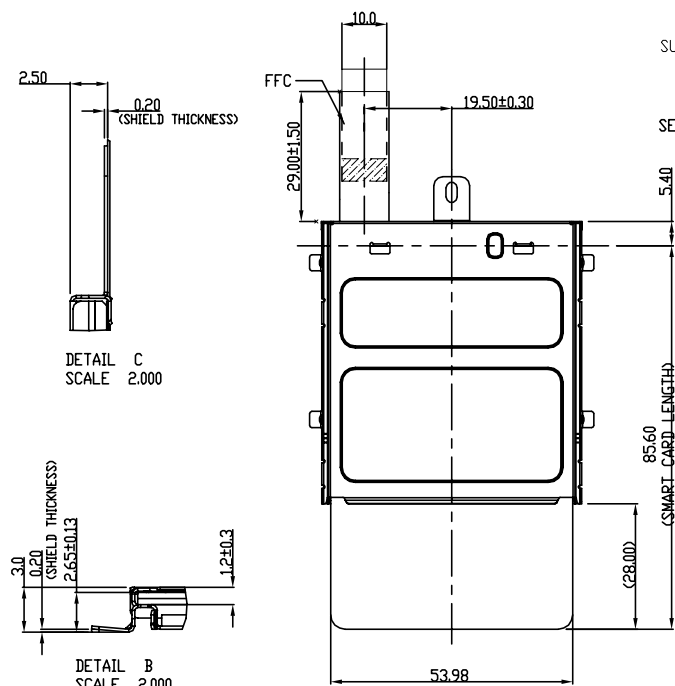
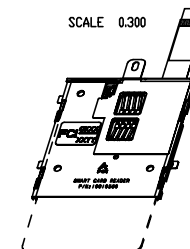
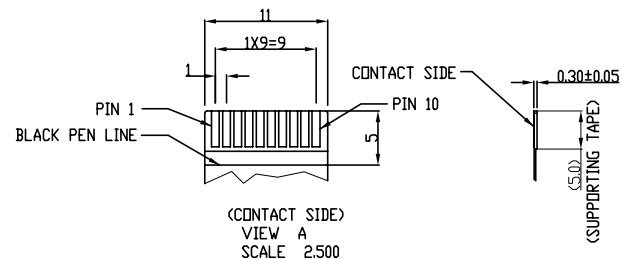


- NOTES:
- Material:
METAL SHELL: STAINLESS STEEL, T=0.20mm
PCB: FR-4, T=0.80mm
TERMINAL: PHOSPHOR BRONZE.
PLATING SPEC AS BELOW:
ALL OVER NICKEL UNDERPLATING
GOLD PLATING ON CONTACT SURFACE.
MATTE TIN PLATING ON SOLDER TAIL.
FLEXIBLE FLAT CABLE: TOTAL LENGTH=103.5±2mm
PLATING SPEC AS BELOW:
CONTACT SURFACE: TIN PLATING.
SOLDER TAIL: TIN PLATING.
 - CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
 - 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 1101	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	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			

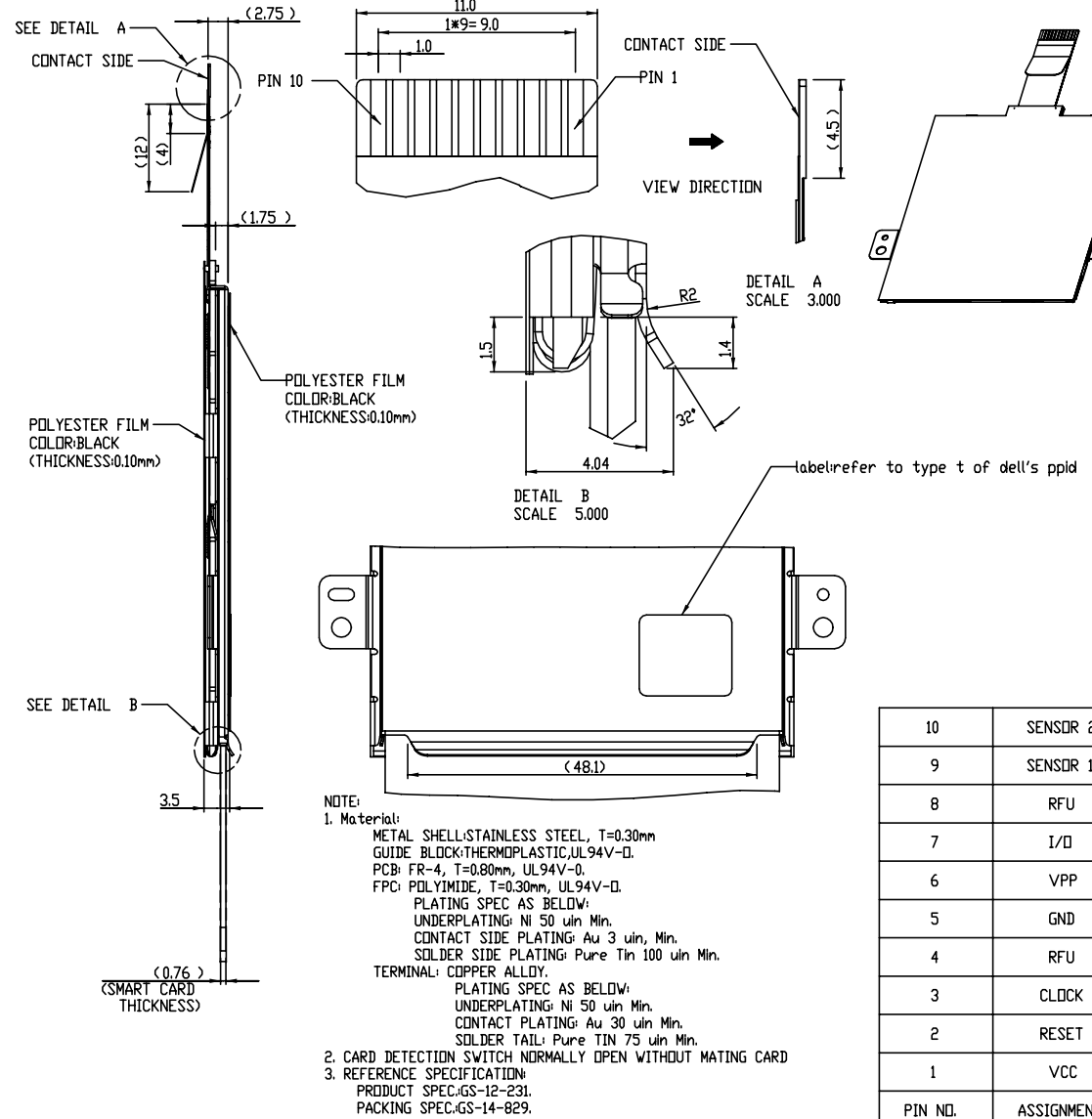
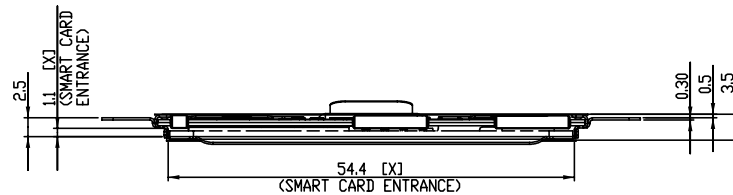
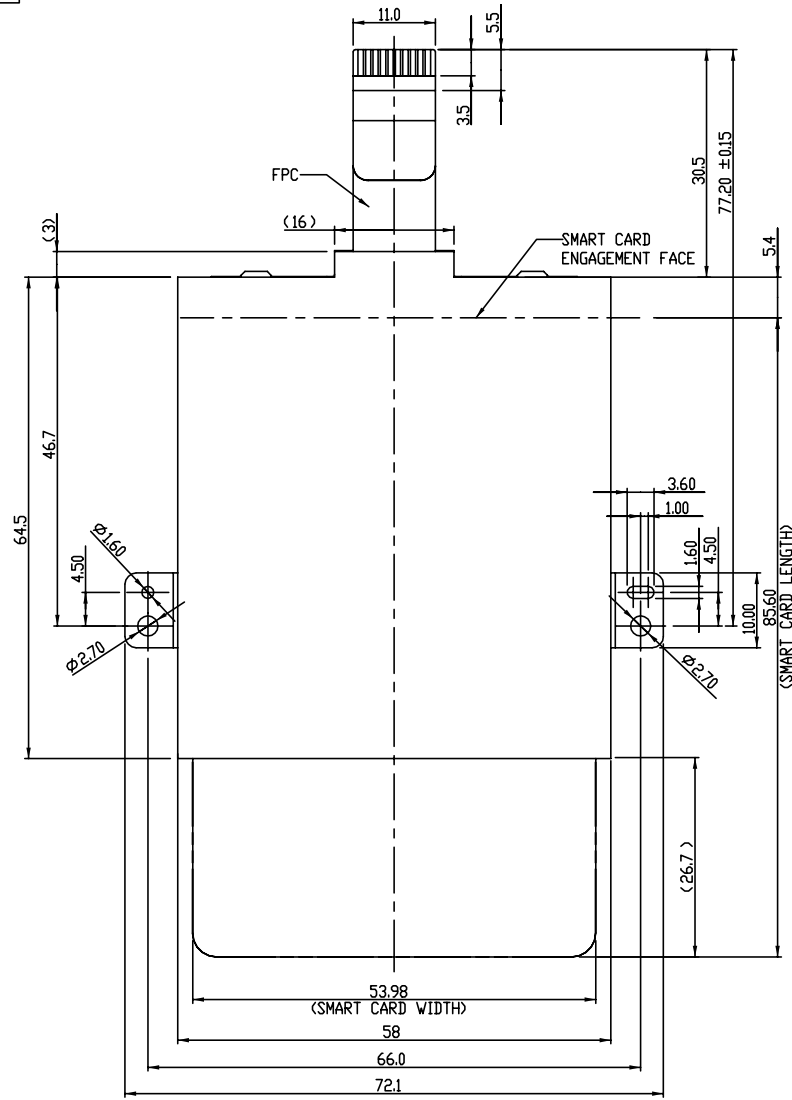


10	RFU
9	I/O
8	V _{pp}
7	GND
6	Sensor 2
5	Sensor 1
4	V _{cc}
3	Reset
2	Clock
1	RFU
PIN NO.	ASSIGNMENT

NOTES:

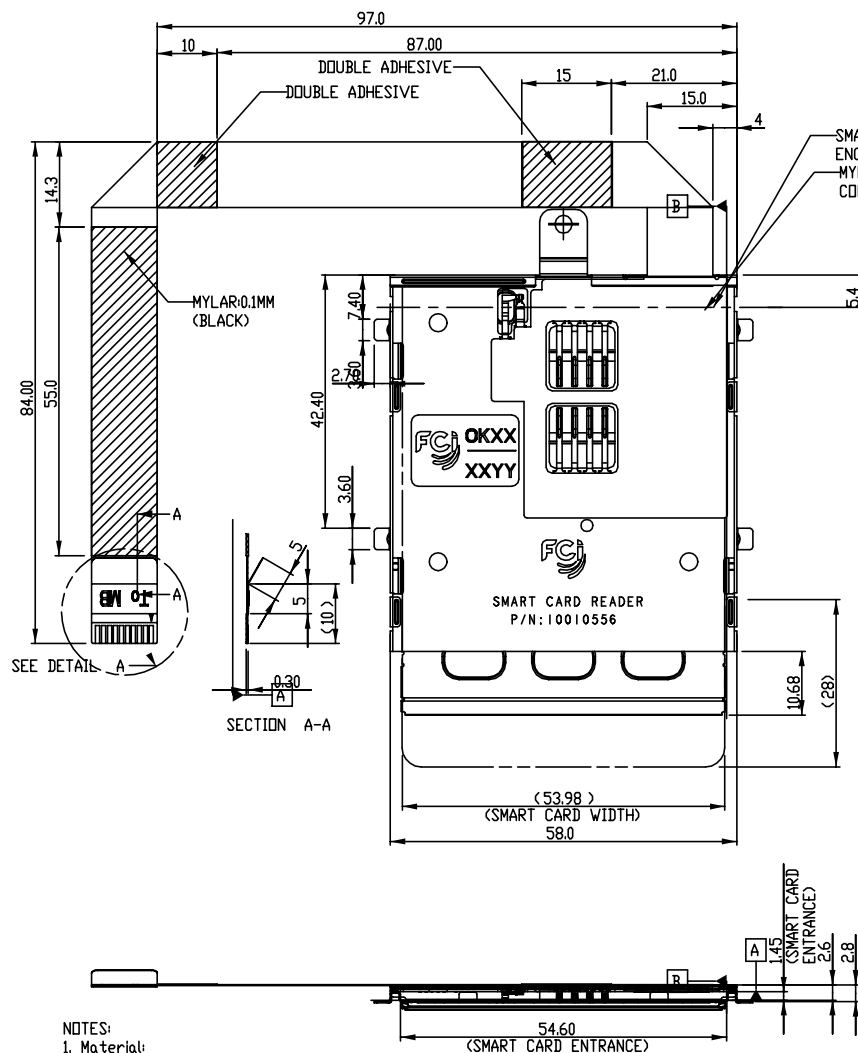
1. Material:
 - METAL SHELL: STAINLESS STEEL, T=0.20mm
 - PCB: FR-4, T=0.80mm
 - TERMINAL: PHOSPHOR BRONZE.
 - PLATING SPEC AS BELOW:
 - ALL OVER NICKEL UNDERPLATING
 - GOLD PLATING ON CONTACT SURFACE.
 - MATTE TIN PLATING ON SOLDER TAIL.
 - FLEXIBLE FLAT CABLE: TOTAL LENGTH=33.5±1mm
 - PLATING SPEC 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 1101				95							
ltr		ecn		nodr		date		tolerances unless otherwise specified		title							
W								angles		0.X±0.5		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		sheet9 of 21		size	
						engr		A.JUANG		06/07/02				10010556		A3	
						chr		A.JUANG		06/07/02							
						appd		JENN.TSAO		06/07/02							
sheet		revision										type		Product Customer Drawing			
index		sheet															

PART NUMBER
10010556-007LF

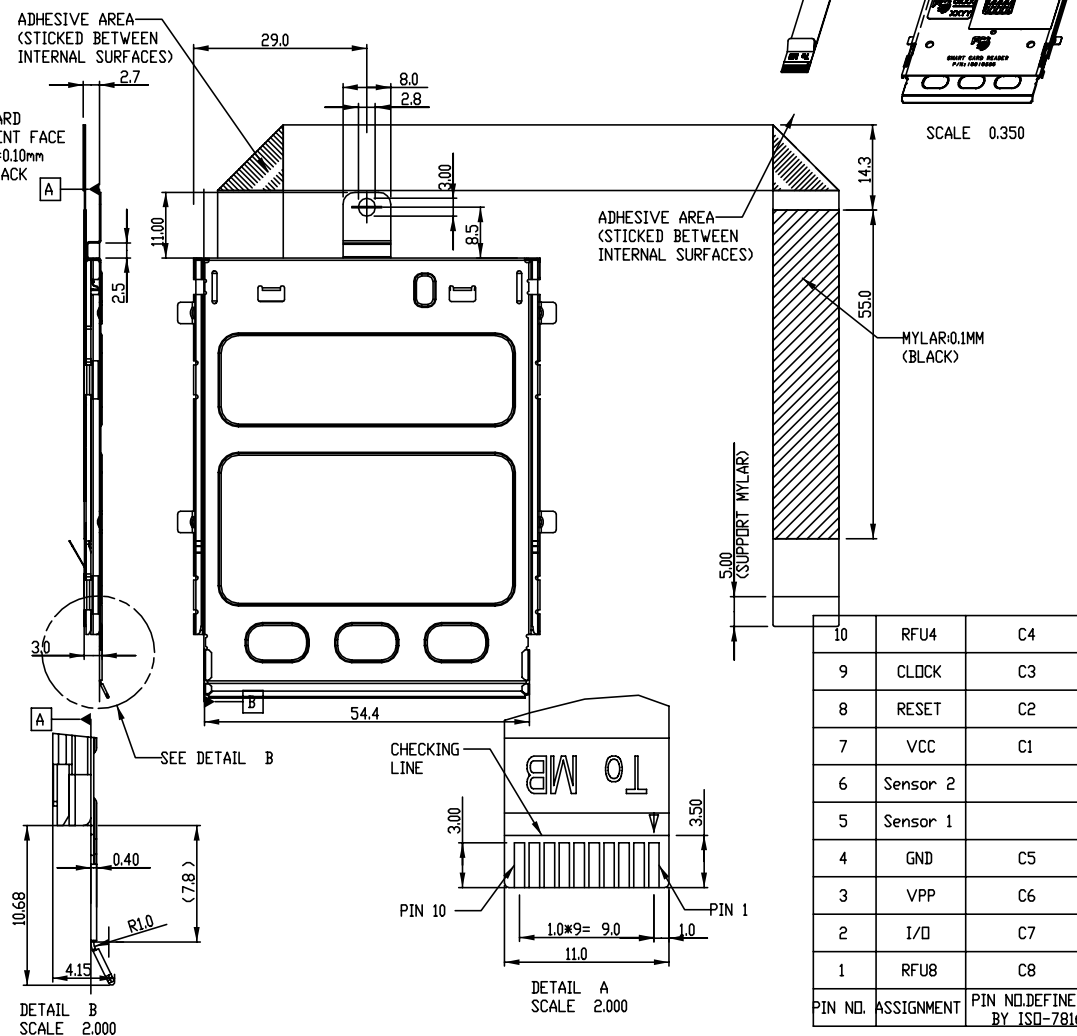
10	SENSOR 2
9	SENSOR 1
8	RFU
7	I/O
6	VPP
5	GND
4	RFU
3	CLOCK
2	RESET
1	VCC
PIN NO.	ASSIGNMENT

mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
ltr ecn nldr 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 10 of 21
chr	A.JUANG	06/07/02		size
appd	JENN.TSAO	06/07/02		A3
sheet index	revision sheet			type Product Customer Drawing



NOTES:

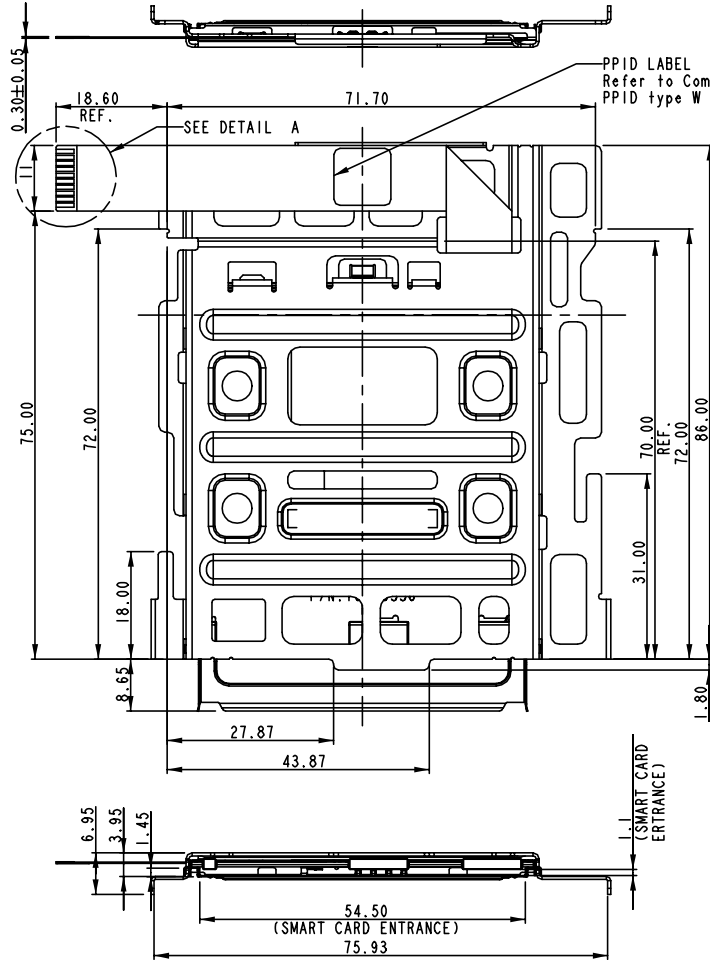
1. Material: METAL SHELL: STAINLESS STEEL, T=0.20mm
PCB: FR-4, T=0.80mm
TERMINAL: COPPER ALLOY.
PLATING SPEC AS BELOW:
ALL OVER NICKEL UNDERPLATING
GOLD PLATING ON CONTACT SURFACE.
MATTE TIN PLATING ON SOLDER TAIL.
FLEXIBLE FLAT CABLE: TOTAL LENGTH=33.5±1mm
PLATING SPEC AS BELOW:
CONTACT SURFACE: TIN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



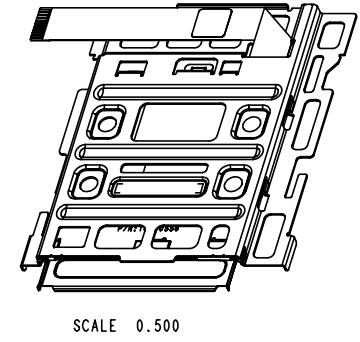
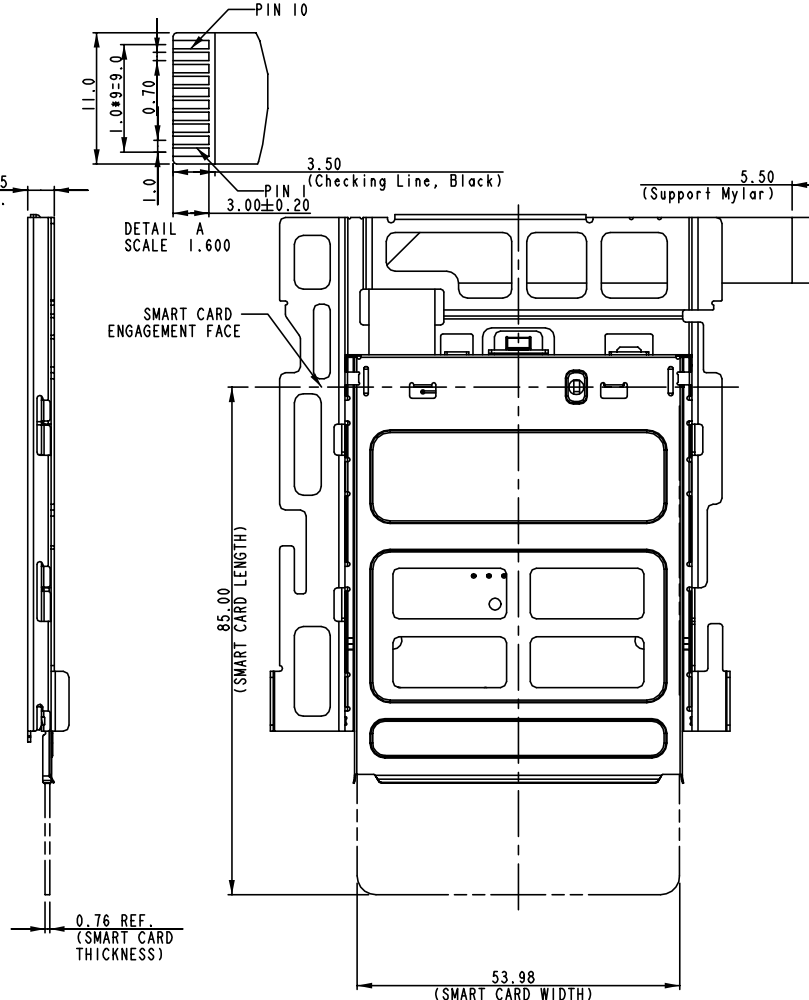
10	RFU4	C4
9	CLOCK	C3
8	RESET	C2
7	VCC	C1
6	Sensor 2	
5	Sensor 1	
4	GND	C5
3	VPP	C6
2	I/O	C7
1	RFU8	C8
PIN NO.	ASSIGNMENT	PIN NO. DEFINED BY ISO-7816

mat'l. code				surface		tolerance		projection		product family		
				ISO 1302 ✓		ISO 406 ISO 1101				95		
ltnr	ecn	nodr	date	tolerances unless otherwise specified				title				
W				angles	linear	0.X±0.5 0.XX±0.30 0.XXX±0.10				SMART CARD READER ASSEMBLY		
				0±2'				scale NA				
				dr	A.JUANG	06/07/02				dwg no		
				engr	A.JUANG	06/07/02				sheet 11 of 21		size
				chr	A.JUANG	06/07/02				10010556		A3
				appd	JENN.TSAO	06/07/02				type		Product Customer Drawing
sheet index		revision sheet										

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.



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

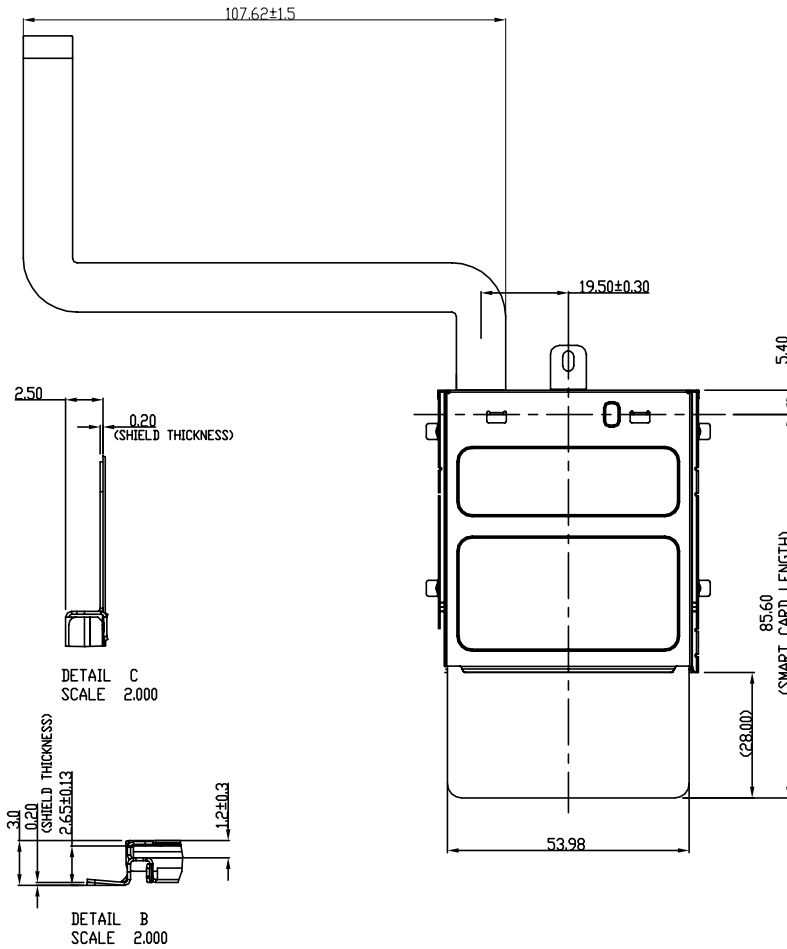
mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
ltr ecn nldr date	tolerances unless otherwise specified			
W	angles	0.X±0.5	MM	SMART CARD READER ASSEMBLY
	linear	0.XX±0.30		
	0±2°	0.XXX±0.10	scale NA	
dr	A.JUANG	06/07/02		dwg no
enr	A.JUANG	06/07/02		sheet 2 of 21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



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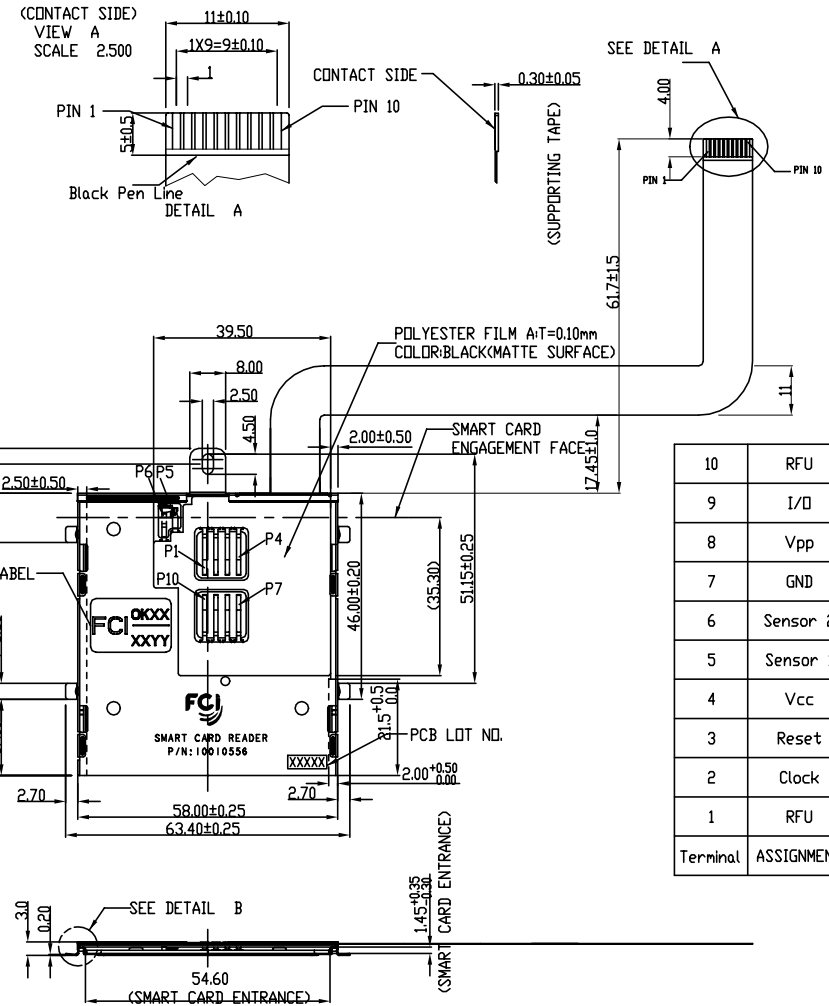
Copyright FCI

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.

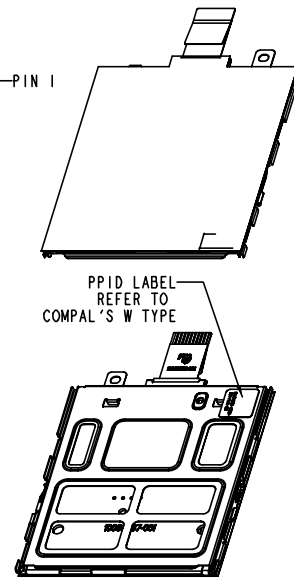
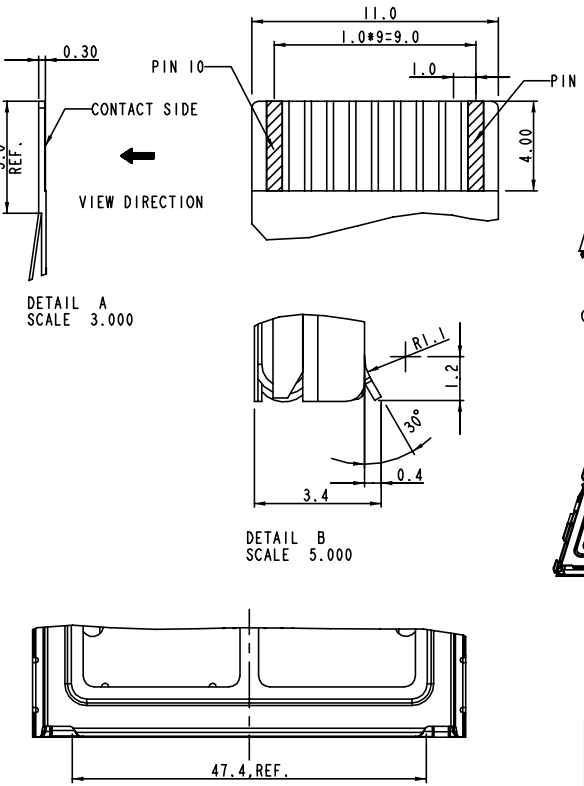
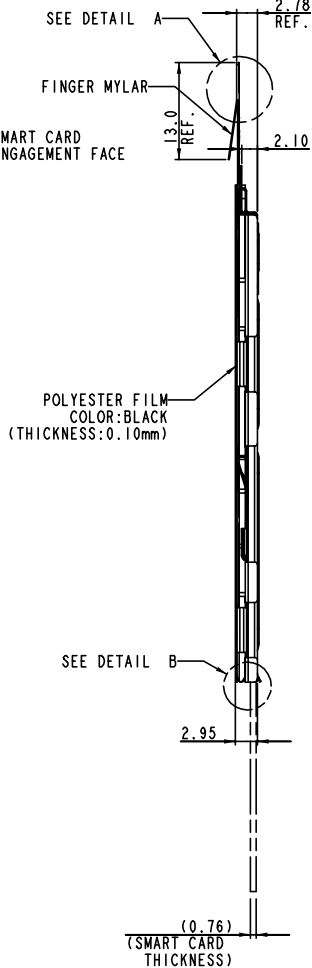
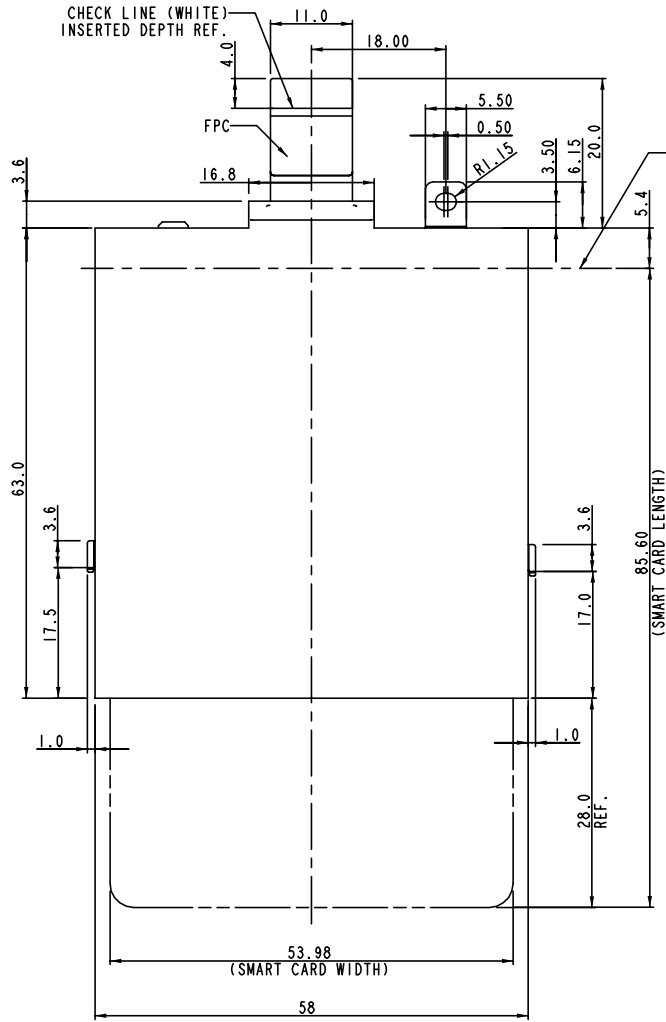
FPC PLATING SPEC AS BELOW:
CONTACT SURFACE: GOLD FLASH.
SOLDER TAIL: TIN PLATING.
 - CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
 - REFERENCE SPECIFICATION:
PRODUCT SPEC. GS 12-231
PACKING SPEC. GS 14-829
 - THE AREA IS PROHIBITED TO PASTE THE MYLAR AND LABEL.



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	
l		tr		ec		n		d		r	
date				tolerances unless otherwise specified						title	
W						angles		linear		MM	
						0.X±0.5				SMART CARD READER	
						0.XX±0.30				ASSEMBLY	
						0±2°		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

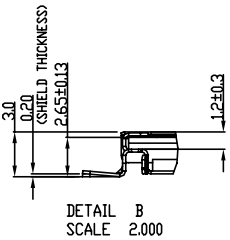
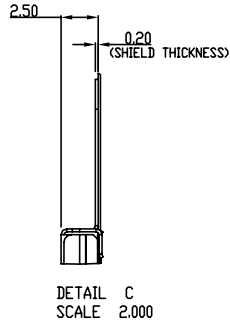
mat'l. code	surface	tolerance	projection	product family
ISO 1302	ISO 406	ISO 1181	95	
ltr ecn nldr date	tolerances unless otherwise specified	linear	MM	title
W	angles	0.X±0.5	scale NA	SMART CARD READER ASSEMBLY
	0±2°	0.XX±0.30		
		0.XXX±0.10		
dr	A.JUANG	06/07/02		dwg no
engr	A.JUANG	06/07/02		sheet 5 of 21
chr	A.JUANG	06/07/02		size
appd	JENN.TSAO	06/07/02		A3
sheet index	revision sheet			type Product Customer Drawing



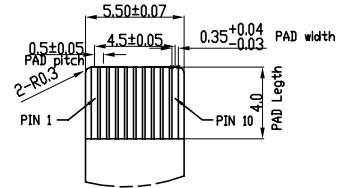
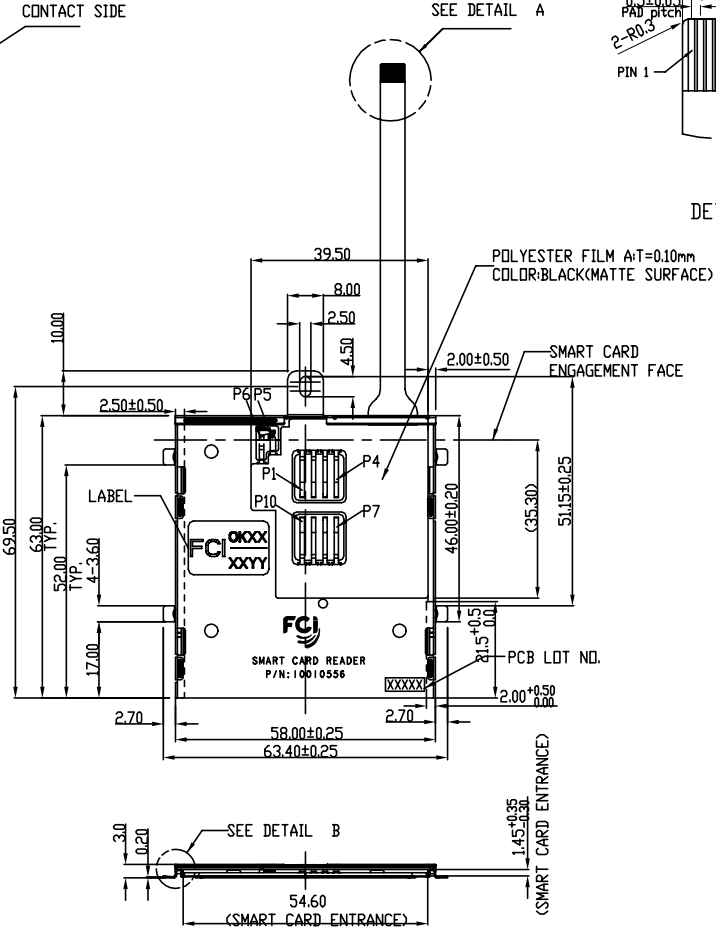
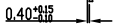
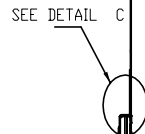
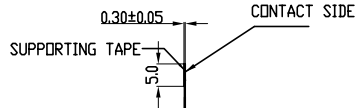
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PRODUCT NO	FPC
10010556-014LF	10086571-004



- 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.
 - ALL PART SAME AS 10010556-011LF, EXCEPT FPC



DETAIL A

P10	RFU	10
P8	Vpp	9
P9	I/O	8
P7	GND	7
P5	Sensor 1	6
P4	Vcc	5
P3	Reset	4
P6	Sensor 2	3
P2	Clock	2
P1	RFU	1
Terminal	ASSIGNMENT	FPC

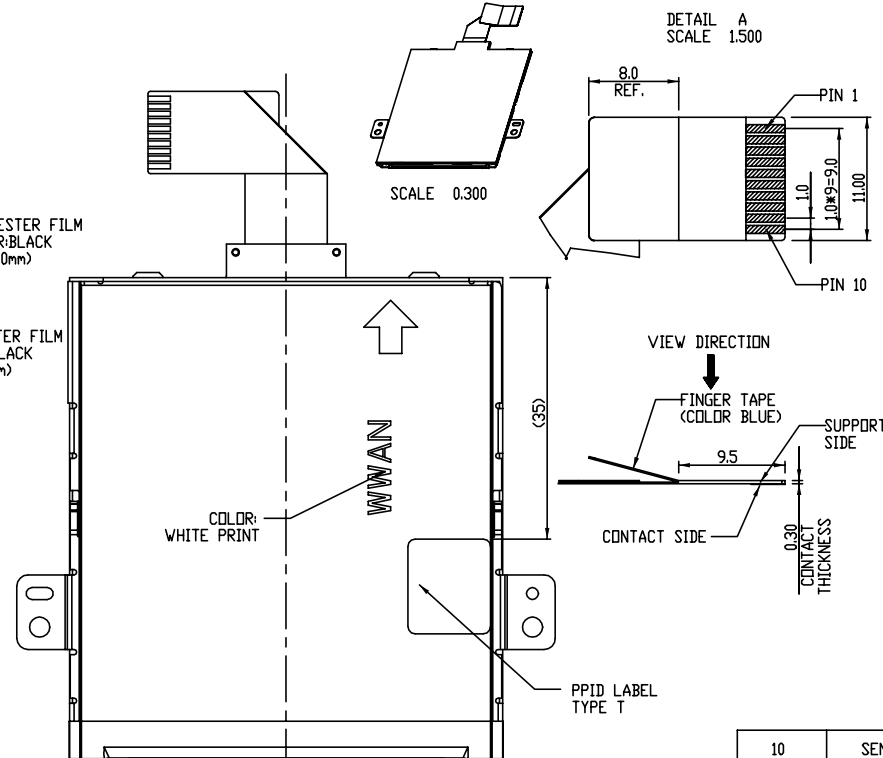
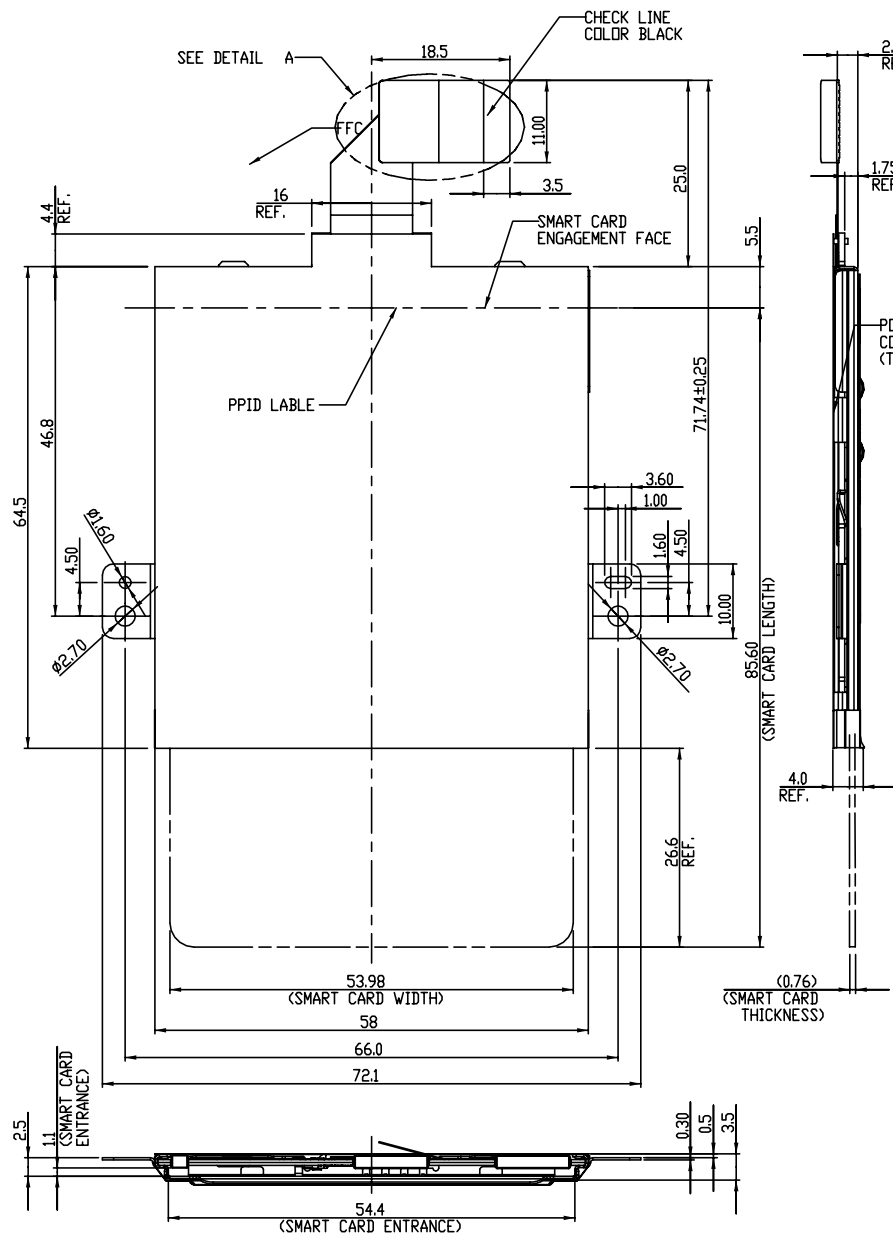
mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
ltr ecn nldr	date	tolerances unless otherwise specified	title	
W		angles	linear	SMART CARD READER ASSEMBLY
		0±2'	0.X±0.5	
			0.XX±0.30	
			0.XXX±0.10	
	dr	A.JUANG	06/07/02	
	enr	A.JUANG	06/07/02	
	chr	A.JUANG	06/07/02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

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



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PART NUMBER
10010556-015LF

NOTES:

1. 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.

2. LEAD FREE AND ROHS COMPLIANT PRODUCT.

3. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD.

4. REFERENCE SPECIFICATION:

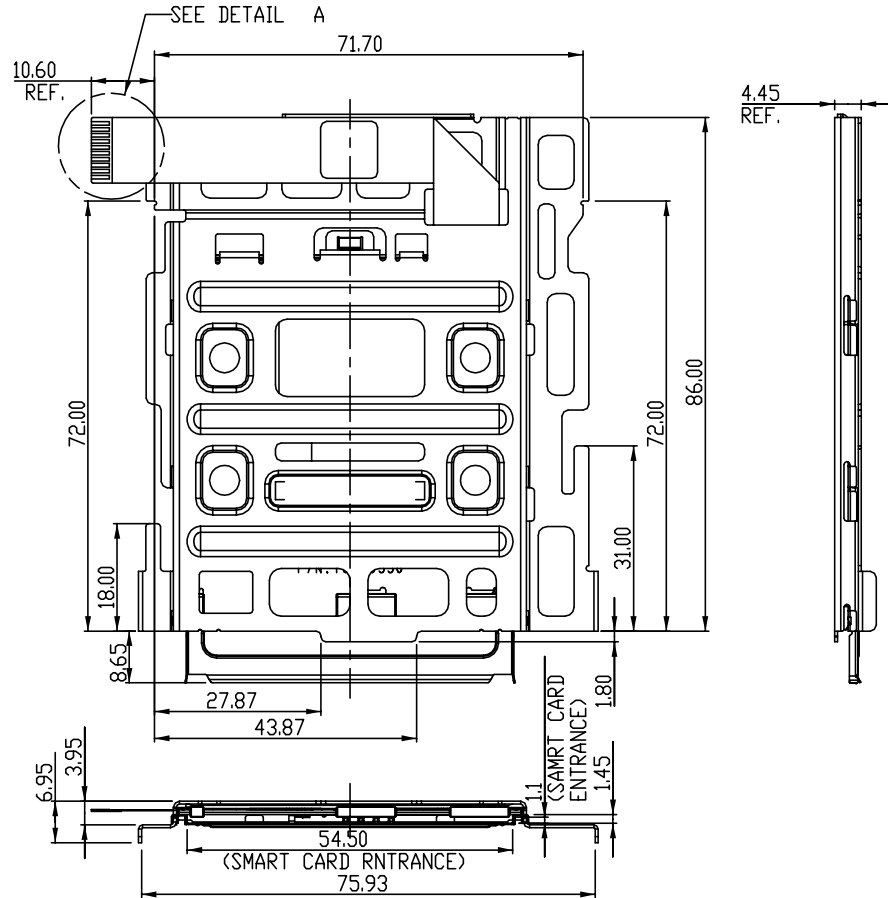
PRODUCT SPEC: GS-12-231.

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
appd	JENN.TSAO	06/07/02		A3
sheet index	revision sheet			type Product Customer Drawing

PRODUCT NO.
10010556-016LF



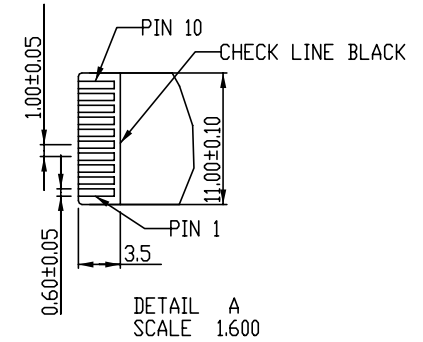
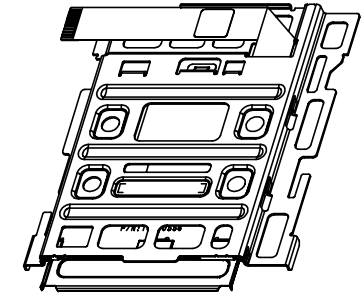
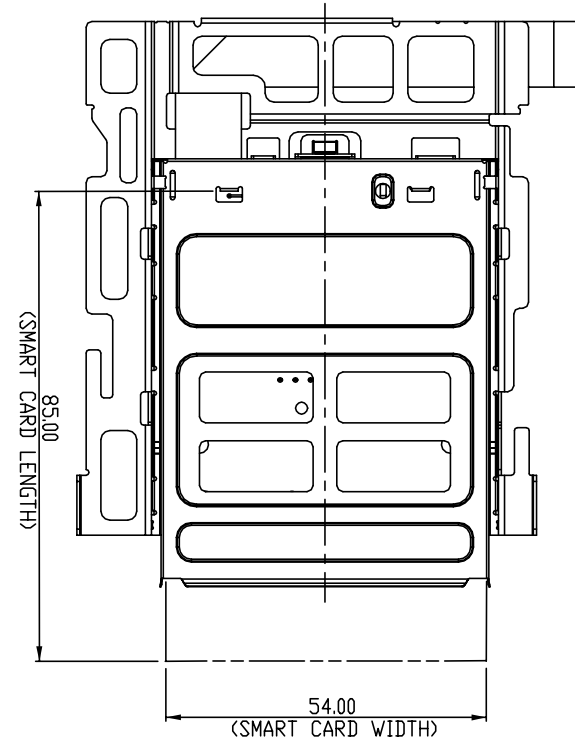
NOTES:

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.

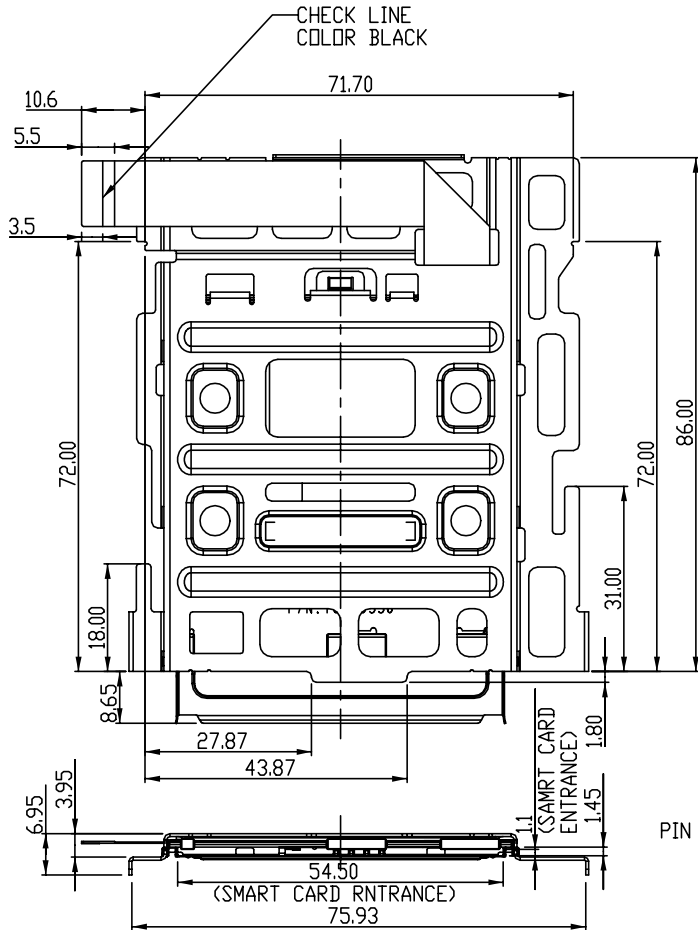


10	VCC	C1
9	RESET	C2
8	CLOCK	C3
7	RFU 4	C4
6	GND	C5
5	VPP	C6
4	I/O	C7
3	RFU 8	C8
2	SENSOR 2	
1	SENSOR 1	
PIN NO.	ASSIGNMENT	PIN NO. DEFINED BY ISO-7816

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			

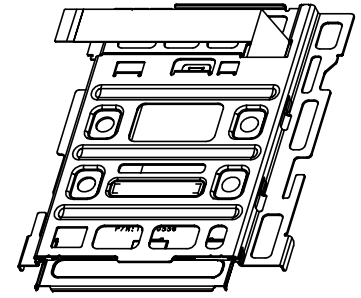
PRODUCT NO.

10010556-017LF

4.45
REF.

SEE DETAIL A

(SMART CARD LENGTH)

54.00
(SMART CARD WIDTH)

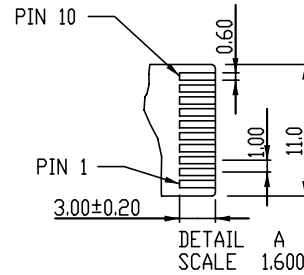
NOTES:

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

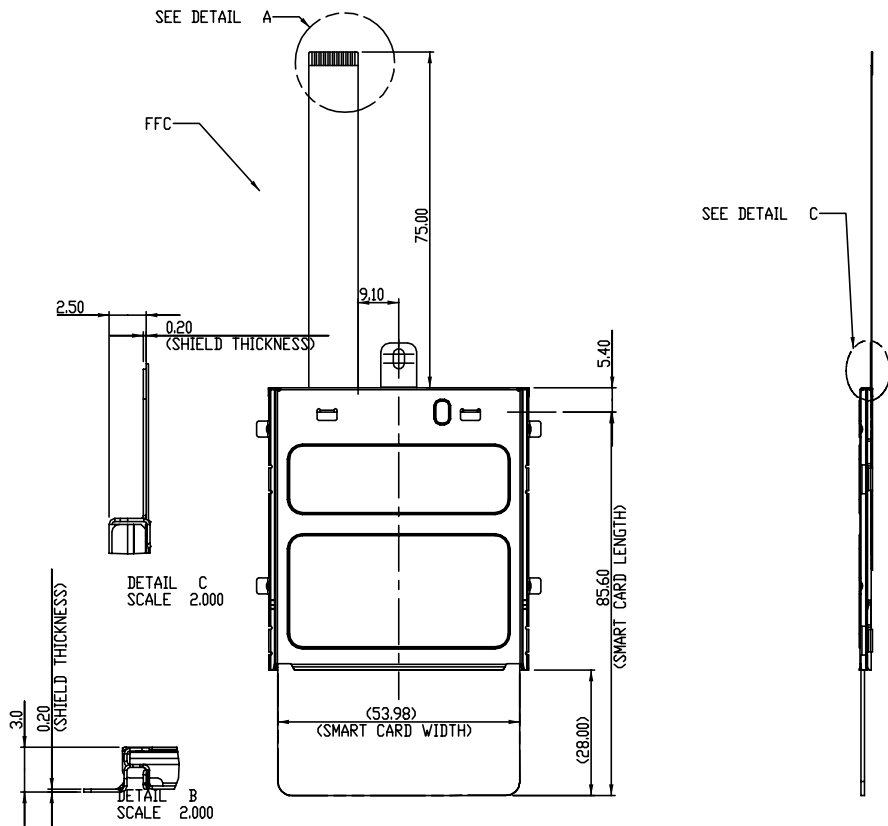
mat'l. code	surface ISO 1302	tolerance ISO 406	projection ISO 1101	product family 95
ltr ecn nldr date	tolerances unless otherwise specified	angles	linear	title SMART CARD READER ASSEMBLY
W	0±2°	0.X±0.5	0.XX±0.30	MM
		0.XXX±0.10	scale NA	
dr	A.JUANG	06/07/02		dwg no
enr	A.JUANG	06/07/02		sheet 19 of 21
chr	A.JUANG	06/07/02		size A3
appd	JENN.TSAO	06/07/02		type Product Customer Drawing
sheet index	revision sheet			



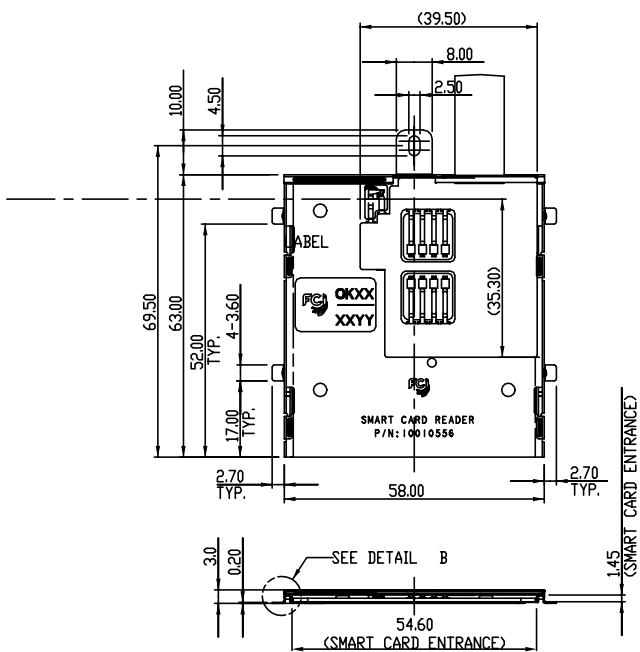
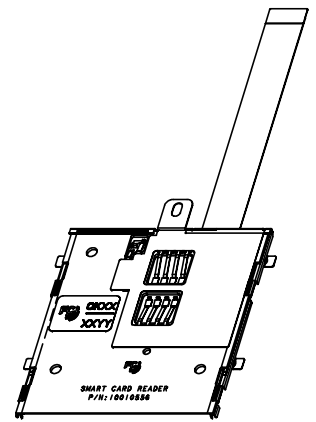
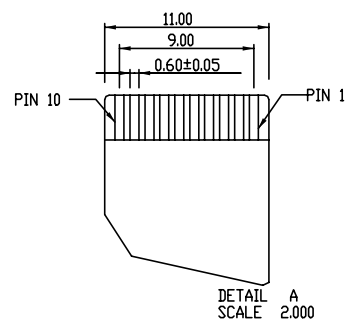
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PRODUCT NO
10010556-018LF



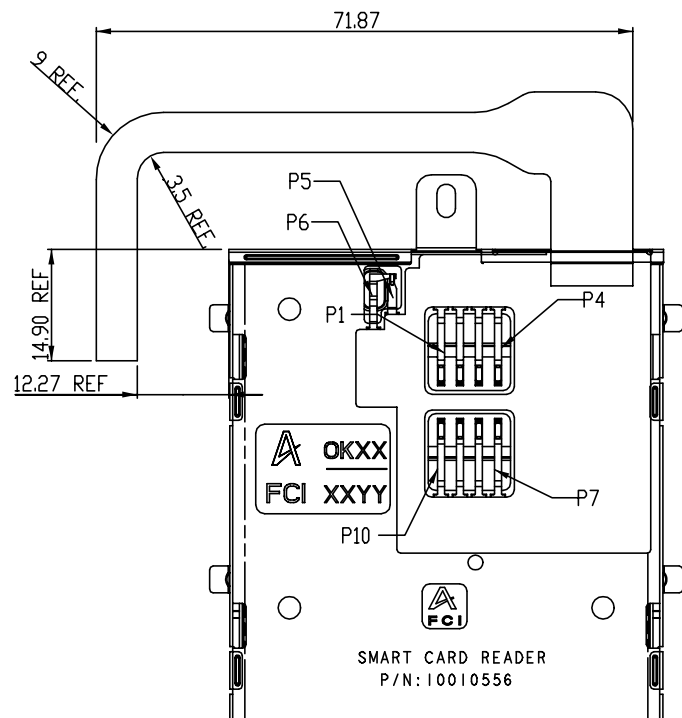
NOTE:
1. Material:
METAL SHELL: STAINLESS STEEL, T=0.20mm
PCB: FR-4, T=0.80mm
TERMINAL: PHOSPHOR BRONZE.
PLATING SPEC AS BELOW:
ALL OVER NICKEL UNDERPLATING
GOLD PLATING ON CONTACT SURFACE.
MATTE TIN PLATING ON SOLDER TAIL.
FLEXIBLE FLAT CABLE: TOTAL LENGTH=124±2mm
PLATING SPEC AS BELOW:
CONTACT SURFACE: 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



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		0.X±0.5		SMART CARD READER ASSEMBLY	
						linear		0.XX±0.30			
						0±2°		0.XXX±0.10			
								MM			
								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		revision									
index		sheet									
										</	

PRODUCT NO
10010556-019LF



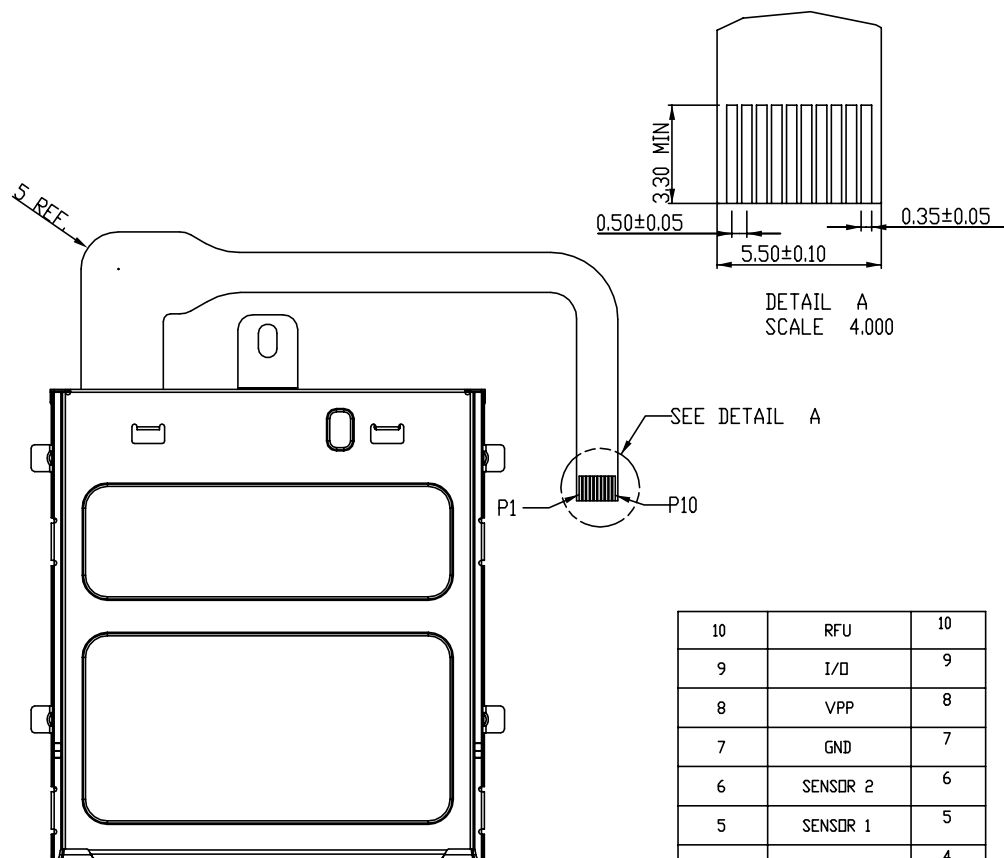
NOTES:

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



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	angles	0.X±0.5		SMART CARD READER ASSEMBLY
	0±2°	0.XX±0.30	scale NA	
	dr	A.JUANG	06/07/02	dwg no
	enr	A.JUANG	06/07/02	sheet 21 of 21
	chr	A.JUANG	06/07/02	size A3
	appd	JENN.TSAO	06/07/02	type Product Customer Drawing
sheet index	revision sheet			



ООО «НИОКРсистемс» - это оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов. Реализуемая нашей компанией продукция насчитывает более полумиллиона наименований.

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Благодаря развитой сети поставщиков, помогаем в поиске и приобретении экзотичных или снятых с производства компонентов.

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