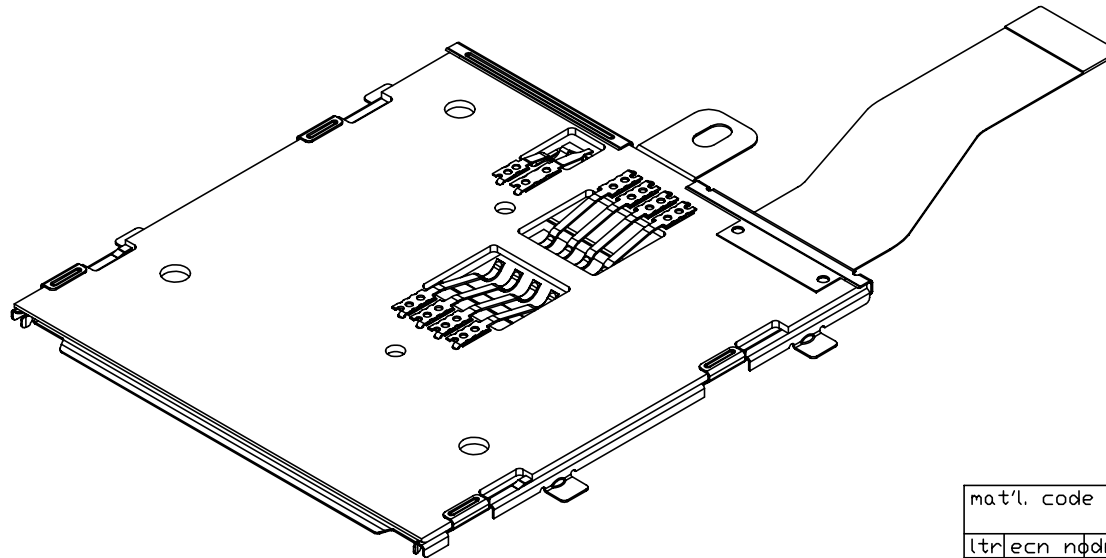


PRODUCT NO.	FPC	PACKAGING	COMPONENTS	LEAD FREE	PCB COLOR
10010556-002LF	10010559-002LF	10017475-02-002	ELEC. PARTS	YES	BLUE
10010556-003LF	10105325-001	10017475-02-009	N/A	YES	BLACK
10010556-004LF	10056226-002LF(FFC)	10017475-02-004	N/A	YES	BLUE
10010556-006LF	10058983-001LF	10017475-02-003	N/A	YES	BLACK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

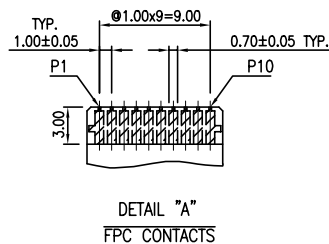
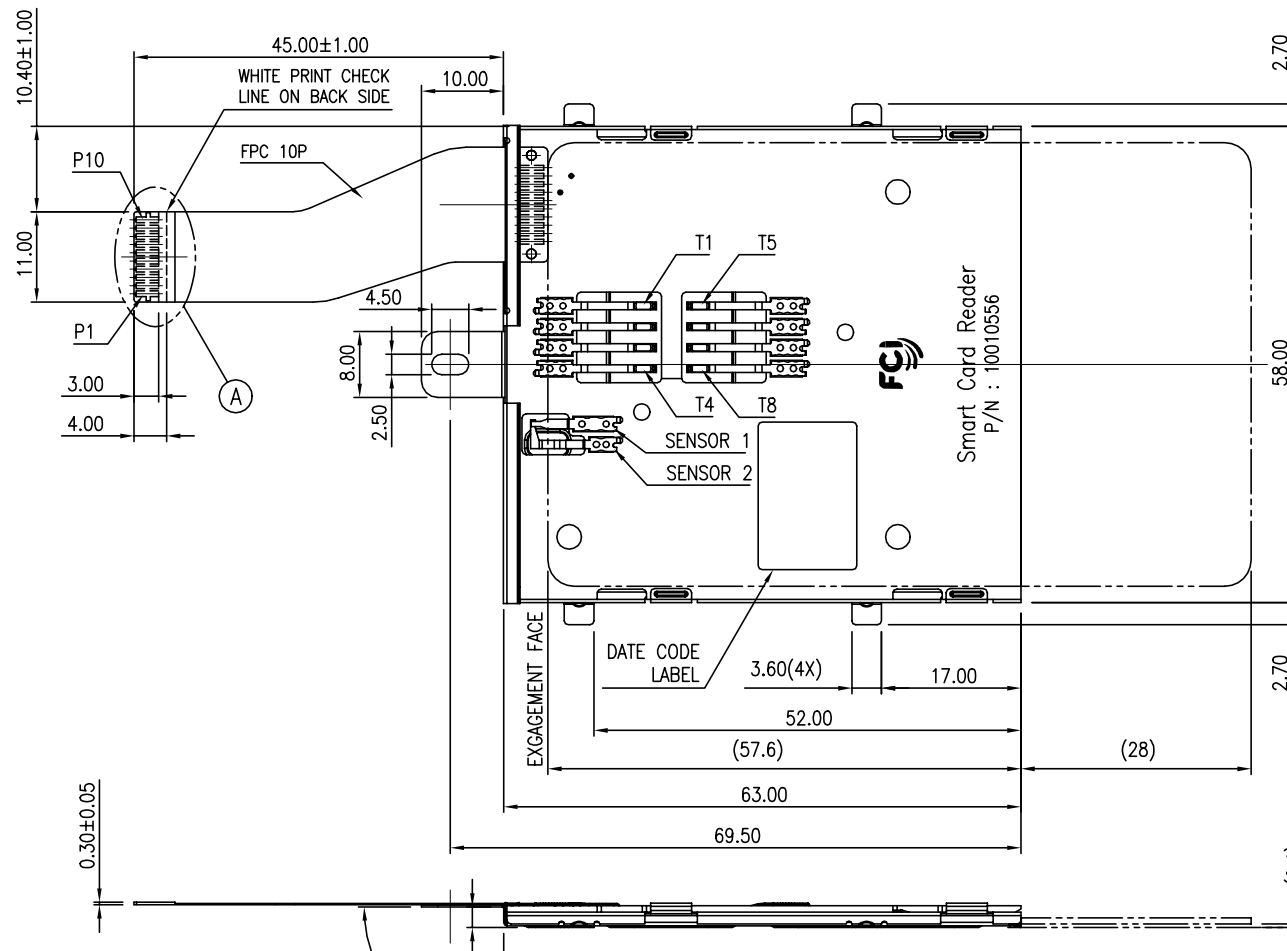
1. SMART CARD READER FOR LOWER PROFILE HEIGHT OF 3.0 mm.
2. TOTAL CIRCUIT RESISTANCE PER ONE LOOP SHALL NOT EXCEED 100 MILLIOHMS.
3. MATERIALS :
CONTACTS : COPPER ALLOY, GOLD OVER NICKEL ON CONTACT AREA.
TOP PCB : FR4.
COVER : STAINLESS STEEL.
4. ENVIRONMENT :
STORAGE TEMPERATURE : FROM -40°C TO 100°C.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



mat'l. code				surface		tolerance		projection		product family	
				ISO 1302 ✓		ISO 406		ISO 1181		95	
l	tr	ec	n	d	r	date	tolerances unless otherwise specified				
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			
U	N09-0306	SH	10/13/09	dr	A.JUANG	06/07/02	scale NA				
V	N10-0058	SH	03/03/10	engr	A.JUANG	06/07/02				dwg no	
W	ELX-N-012726	ZK	09/30/12	chr	A.JUANG	06/07/02				sheet 1 of 21	
					appd	JENN.TSAO	06/07/02			10010556	A3
										type Product Customer Drawing	
sheet		revision									
index		sheet									

PRODUCT NO.
10010556-002LF

CONTACT SIDE

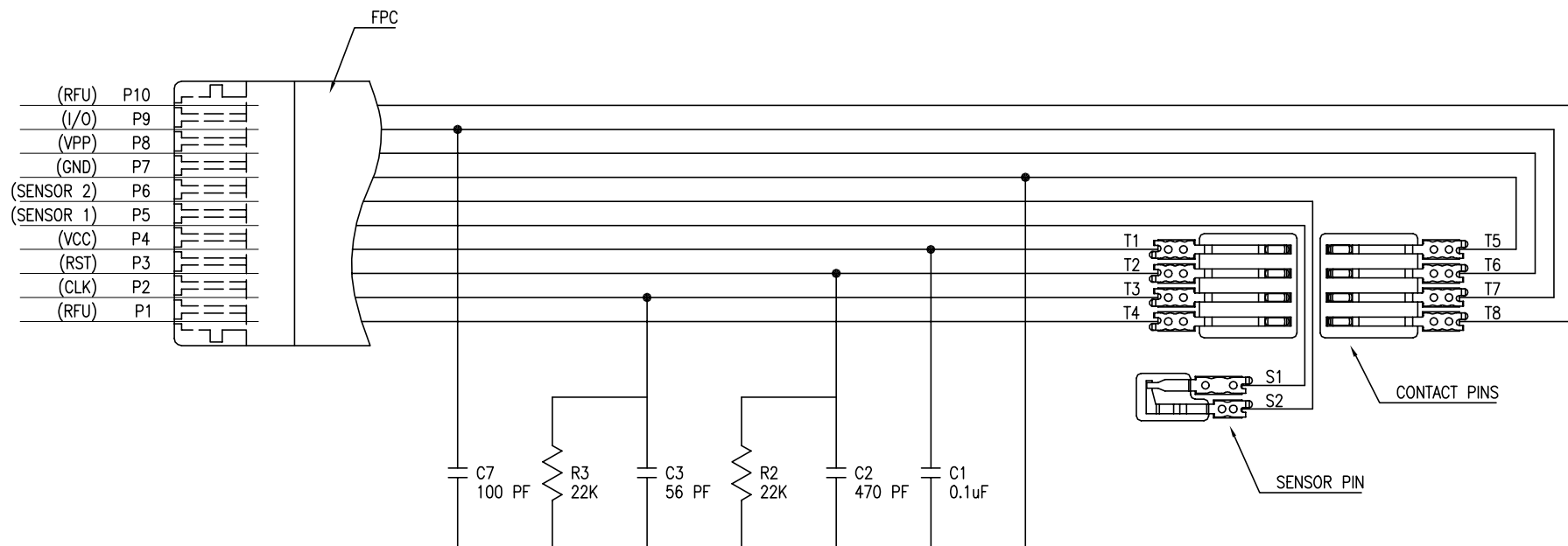


SMART CARD	TERMINAL	FPC	FUNC.
C4	T4	P1	RFU
C3	T3	P2	Clock
C2	T2	P3	Reset
C1	T1	P4	Vcc
SENSOR 1	SENSOR 1	P5	SENSOR
SENSOR 2	SENSOR 2	P6	SENSOR
C5	T5	P7	Gnd
C6	T6	P8	Vpp
C7	T7	P9	I/O
C8	T8	P10	RFU

mat'l. code		surface	tolerance	projection	product family
ISO 1302		ISO 406	ISO 1101	95	
ltr ecn nldr	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 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	

PRODUCT NO.

10010556-002LF



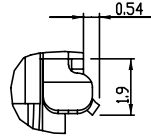
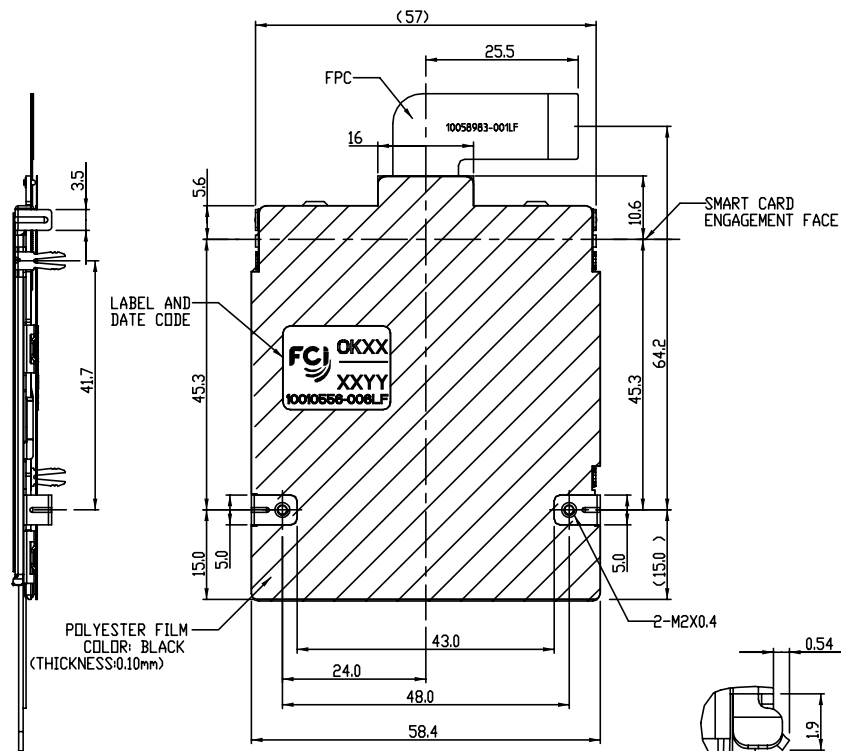
mat'l. code		surface	tolerance	projection	product family
ISO 1302		ISO 406	ISO 1101	95	
l	tr	ec	n	odr	date
tolerances unless otherwise specified		linear		title	
W		angles	linear	MM	SMART CARD READER ASSEMBLY
0±2°		0.X±0.5	0.XX±0.30	0.XXX±0.10	scale NA
dr		A.JUANG	06/07/02	dwg no	
enr		A.JUANG	06/07/02	sheet3 of 21	
chr		A.JUANG	06/07/02	10010556	
appd		JENN.TSAO	06/07/02	type Product Customer Drawing	
sheet	revision				
index	sheet				



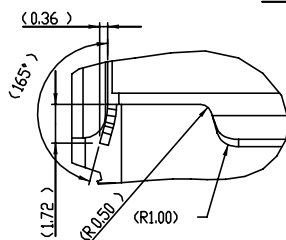
FCIconnect.com

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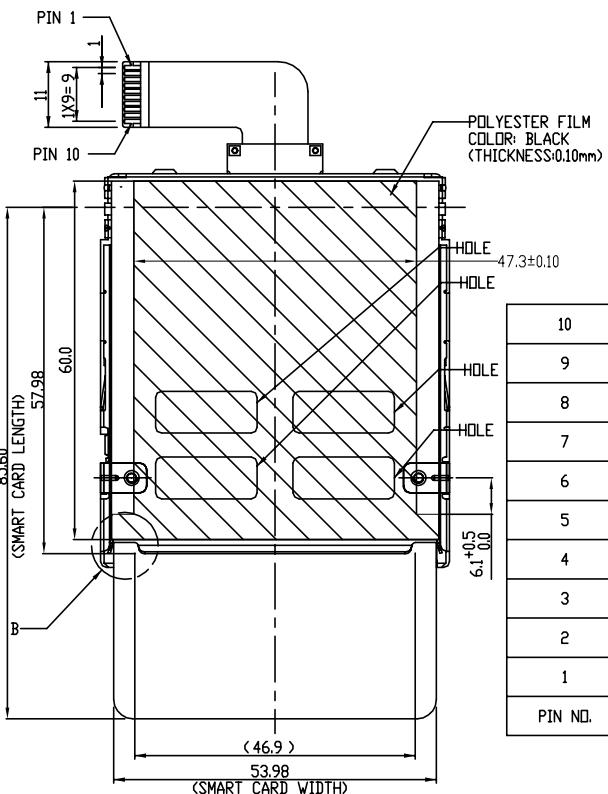
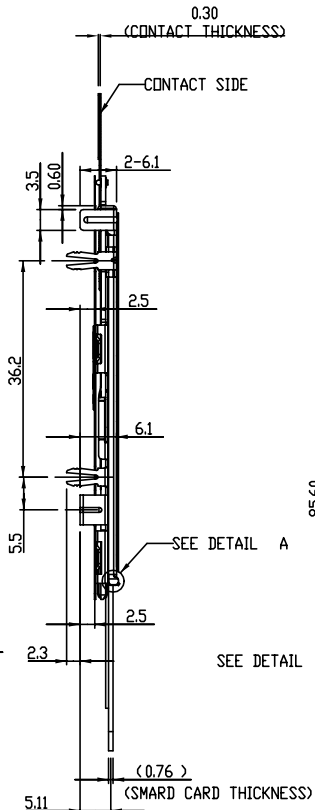
PRODUCT NO
10010556-006LF



DETAIL A
SCALE 4.000



DETAIL B
SCALE 3.000



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

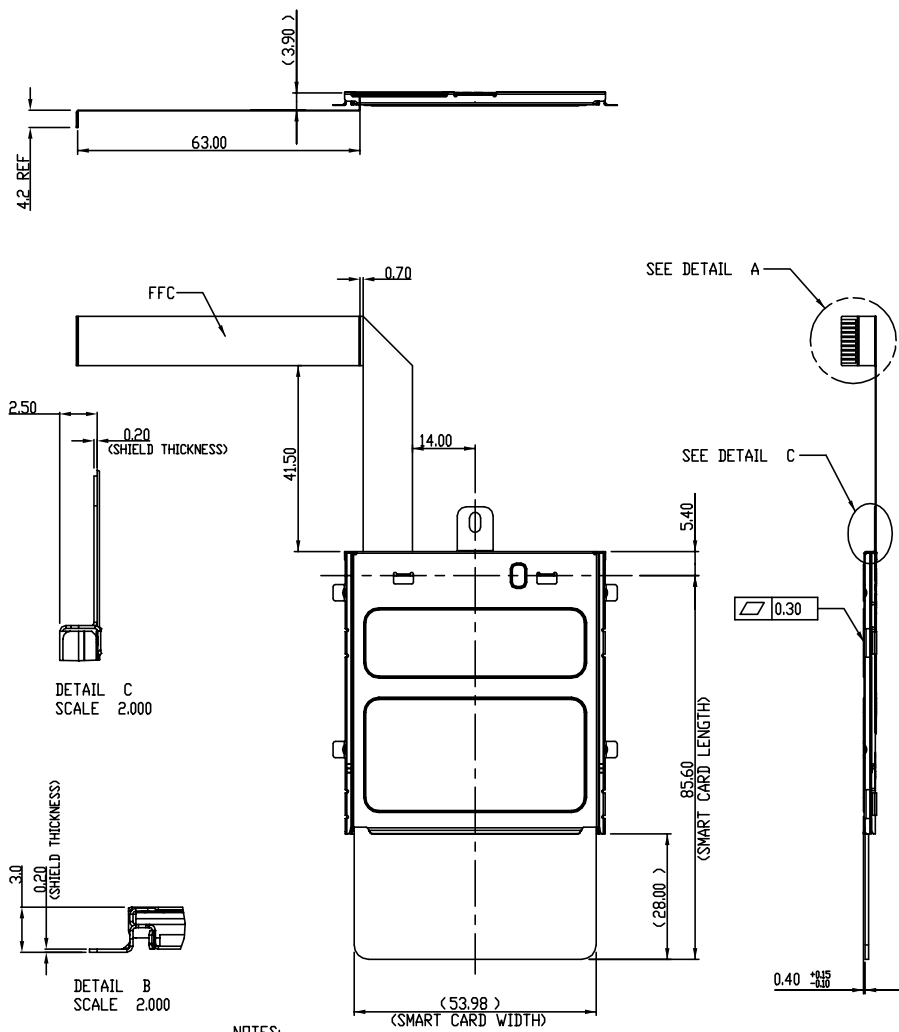
mat'l. code	surface	tolerance	projection	product family
ISO 1302	ISO 406	ISO 1101	95	
l'tecn n'dr	date	tolerances unless otherwise specified	title	
W		0.X±0.5	MM	SMART CARD READER ASSEMBLY
		0.XX±0.30	scale NA	
		0.XXX±0.10		
dr	A.JUANG	06/07/02		dwg no
enr	A.JUANG	06/07/02		sheet 6 of 21
chr	A.JUANG	06/07/02		size
app	JENN.TSAO	06/07/02		A3
sheet index	revision sheet			type Product Customer Drawing



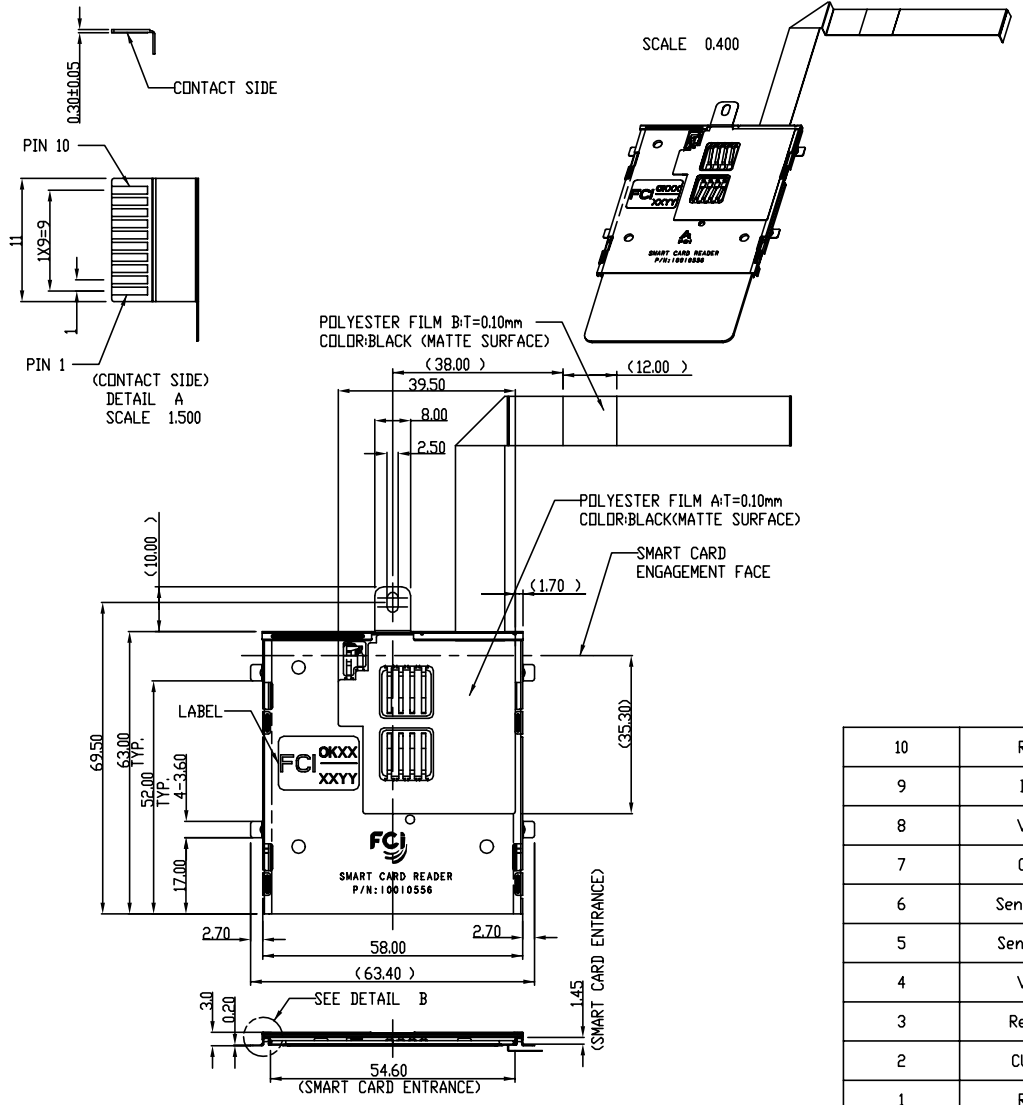
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PRODUCT NO
10010556-004LF



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

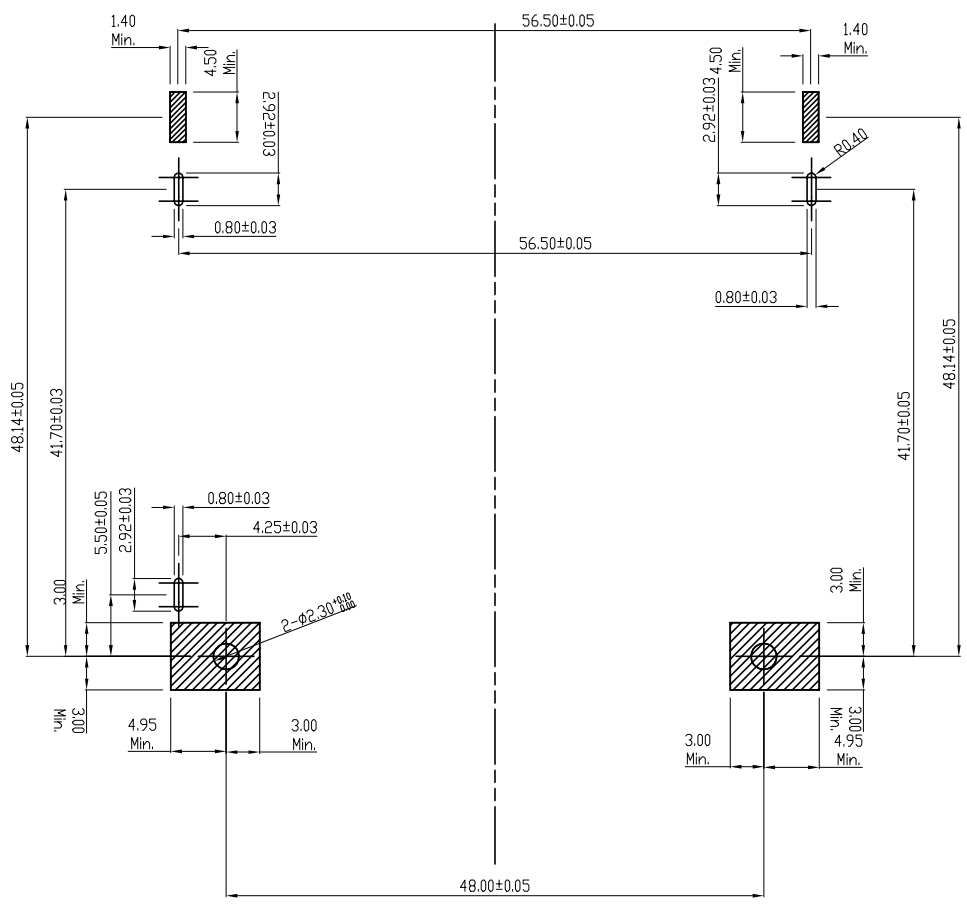
mat'l. code				surface		tolerance		projection		product family			
				ISO 1302 ✓		ISO 406 ISO 1181				95			
ltr		ecn		nodr		date		tolerances unless otherwise specified		title			
W								angles		0.X±0.5		SMART CARD READER ASSEMBLY	
								linear		0.XX±0.30			
								0±2°		0.XXX±0.10			
										MM			
										scale NA			
						dr		A.JUANG		06/07/02		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		A3	
												type Product Customer Drawing	
sheet		revision											
index		sheet											



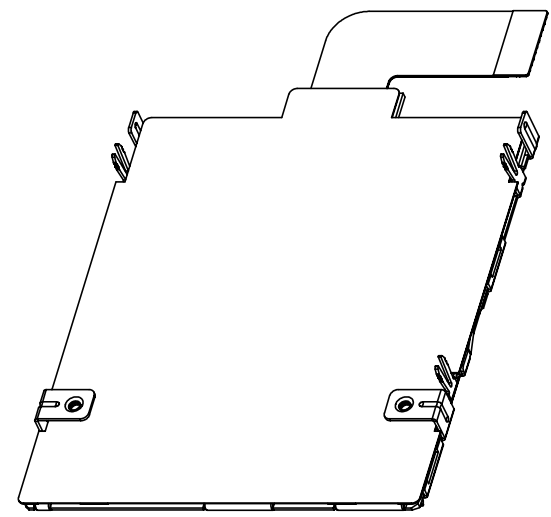
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PRODUCT NO
10010556-006LF



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

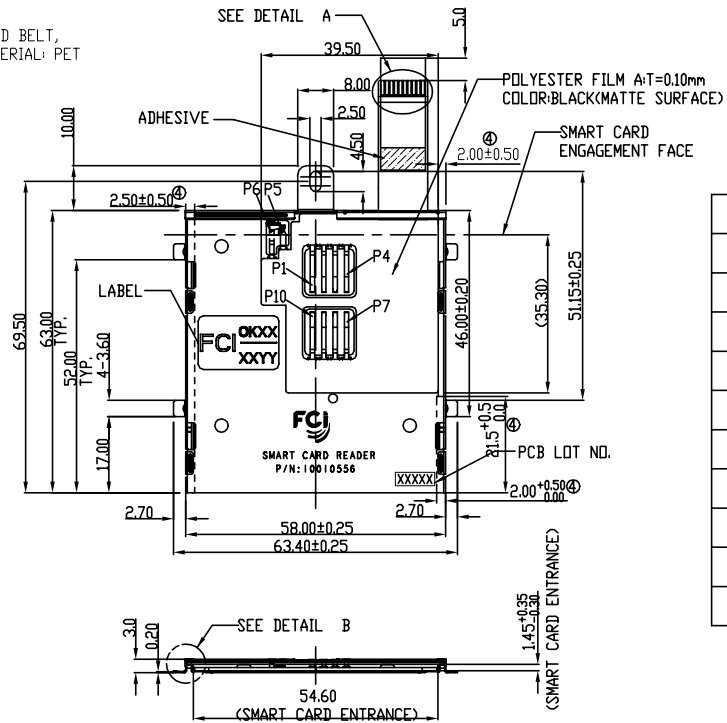
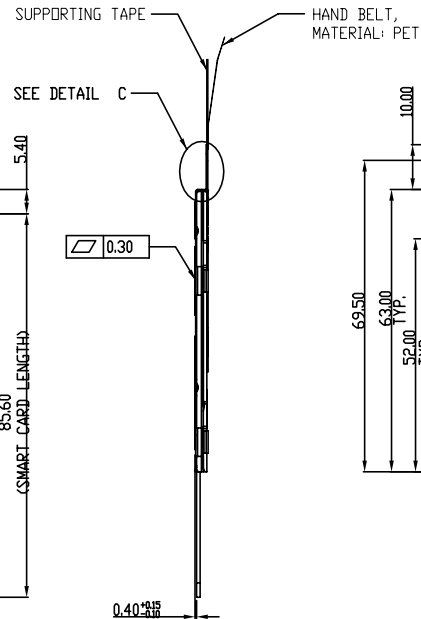
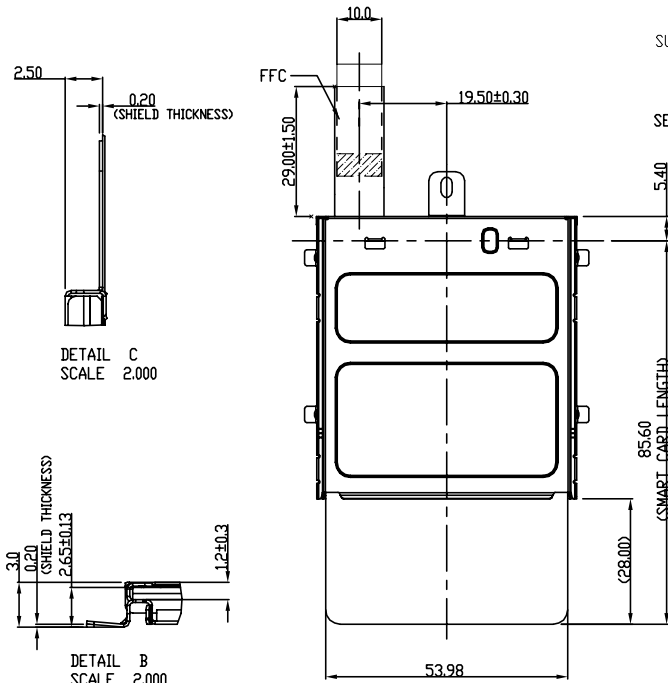
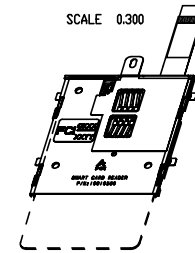
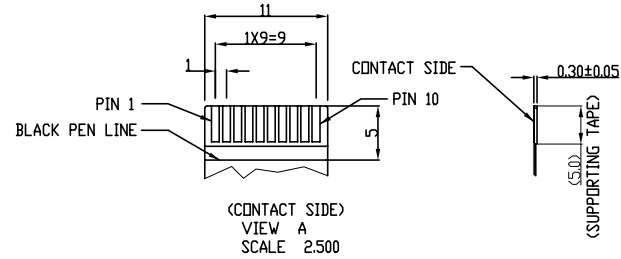


- NOTES:
- MATERIAL:
METAL SHELL: STAINLESS STEEL, T=0.40mm
PCB: FR-4, T=0.80mm
TERMINAL: PHOSPHOR BRONZE.
PLATING SPEC AS BELOW:
ALL OVER NICKEL UNDERPLATING
GOLD PLATING ON CONTACT SURFACE.
MATTE TIN PLATING ON SOLDER TAIL.
FLEX CIRCUIT CABLE(FPC):
PLATING SPEC AS BELOW:
CONTACT SURFACE: GOLD FLASH 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	r	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	
					enr	A.JUANG	06/07/02				sheet 7 of 21	
					chr	A.JUANG	06/07/02				10010556	
					appd	JENN.TSAO	06/07/02				A3	
sheet		revision								type Product Customer Drawing		
Index	sheet											

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

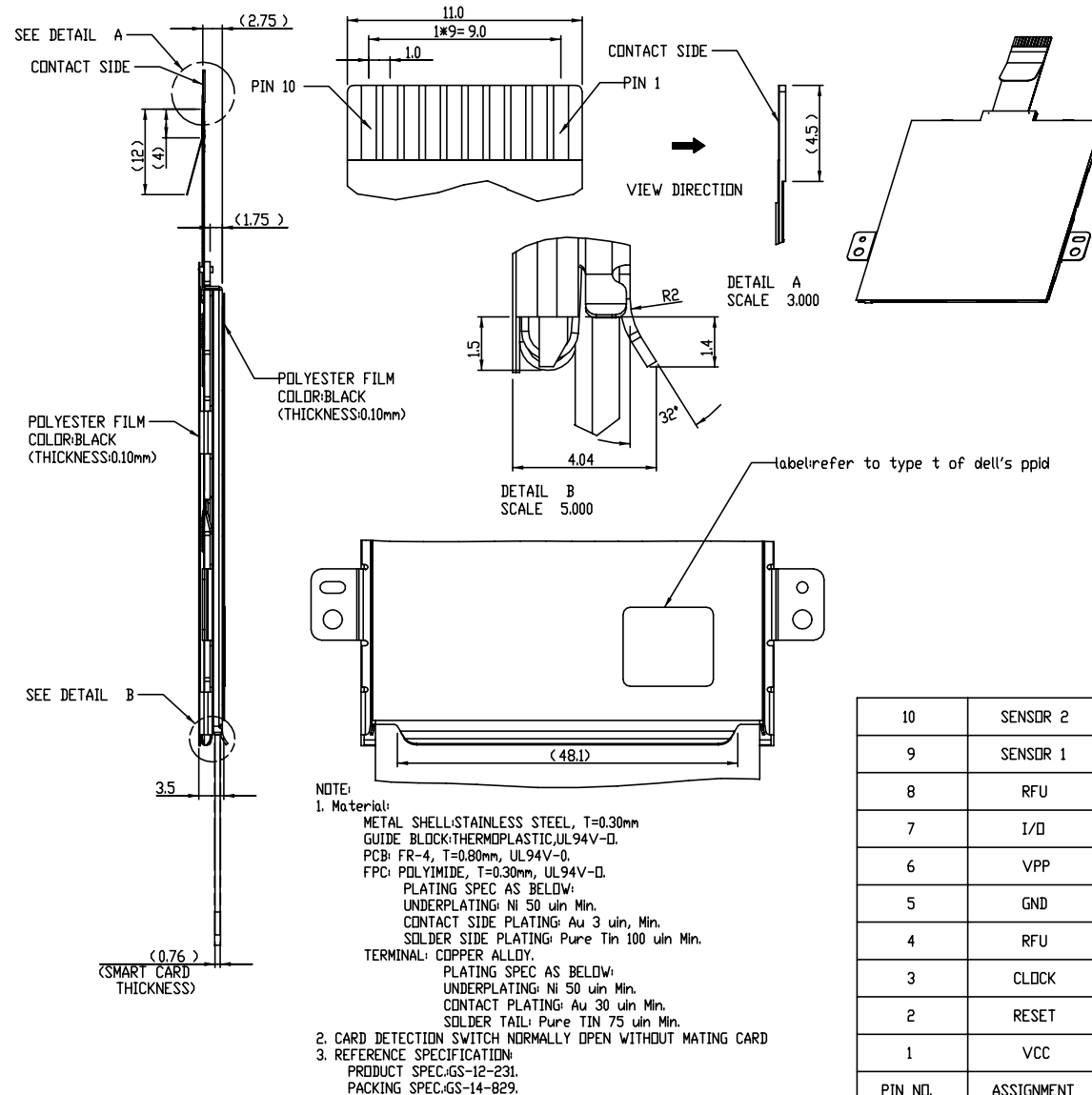
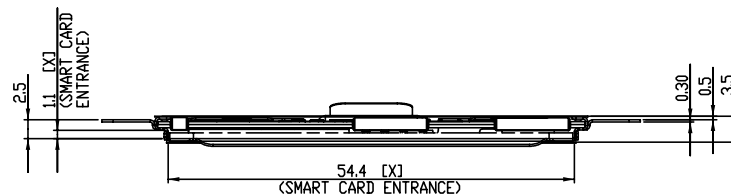
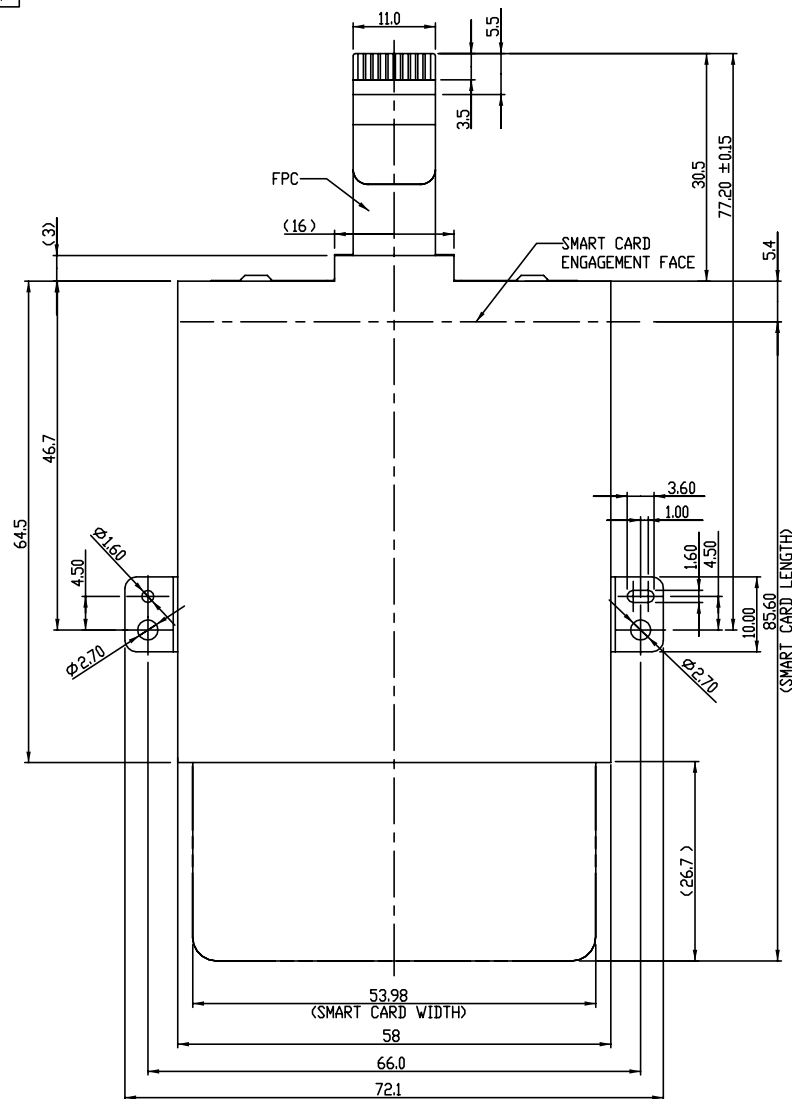
3. REFERENCE SPECIFICATION:

PRODUCT SPEC. GS 12-231

PACKING SPEC. GS 14-829

④ THE AREA IS PROHIBITED TO PASTE THE MYLAR AND LABEL.

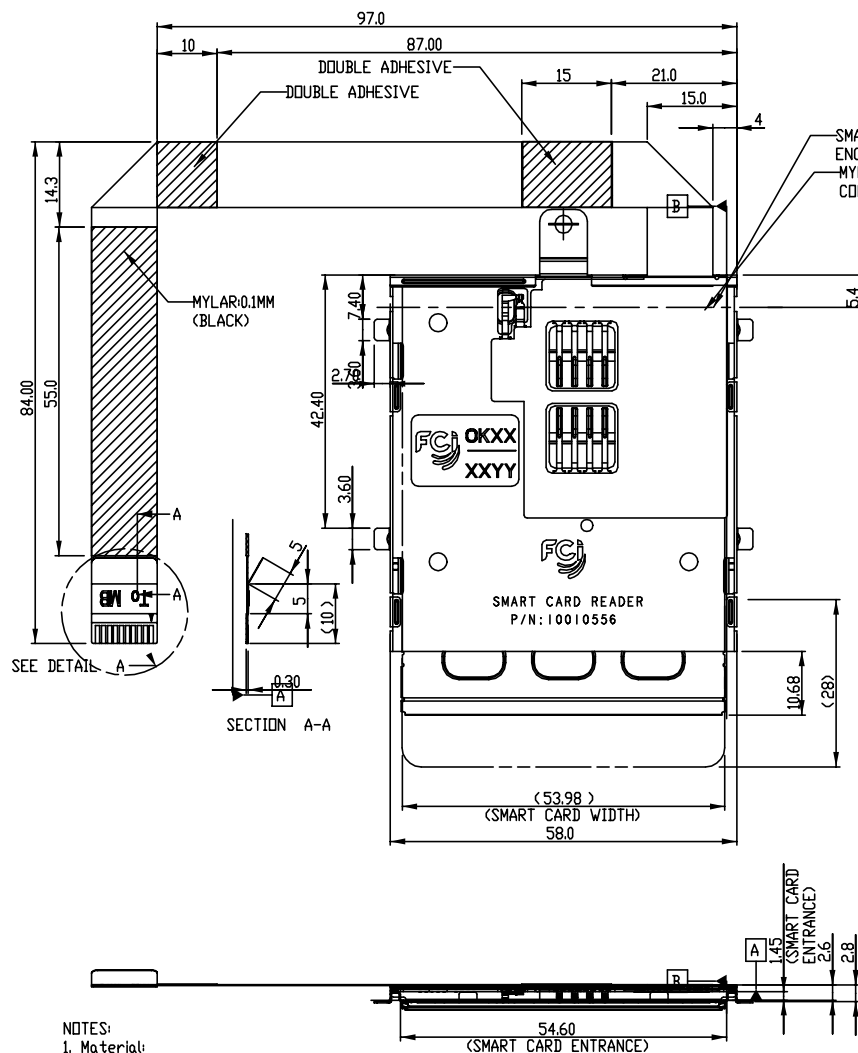
mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
ltr ecn nodr	date	tolerances unless otherwise specified	linear	title
W		angles	linear	SMART CARD READER ASSEMBLY
		0±2'	linear	scale NA
	dr	A.JUANG	06/07/02	dwg no
	enr	A.JUANG	06/07/02	sheet 9 of 21
	chr	A.JUANG	06/07/02	size A3
	appd	JENN.TSAO	06/07/02	type Product Customer Drawing
sheet index	revision sheet			



10	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 1101				95	
ltr		ecn		nodr		date		tolerances unless otherwise specified		title	
W								angles linear 0.0X±0.5 0.XX±0.30 0±2' 0.XXX±0.10		MM →	
								scale NA		SMART CARD READER ASSEMBLY	
				dr		A.JUANG		06/07/02		dwg no	
				enr		A.JUANG		06/07/02		sheet 10 of 21	
				chr		A.JUANG		06/07/02		10010556	
				appd		JENN.TSAO		06/07/02		A3	
										type Product Customer Drawing	
sheet		revision									
index		sheet									

PART NUMBER
10010556-009LF



- NOTES:
- 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.
 - CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD

ADHESIVE AREA
(STICKED BETWEEN
INTERNAL SURFACES)

2.7

ADHESIVE AREA
(STICKED BETWEEN
INTERNAL SURFACES)

2.7

ADHESIVE AREA
(STICKED BETWEEN
INTERNAL SURFACES)

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ADHESIVE AREA
(STICKED BETWEEN
INTERNAL SURFACES)

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INTERNAL SURFACES)

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INTERNAL SURFACES)

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INTERNAL SURFACES)

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INTERNAL SURFACES)

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INTERNAL SURFACES)

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INTERNAL SURFACES)

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INTERNAL SURFACES)

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INTERNAL SURFACES)

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INTERNAL SURFACES)

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ADHESIVE AREA
(STICKED BETWEEN
INTERNAL SURFACES)

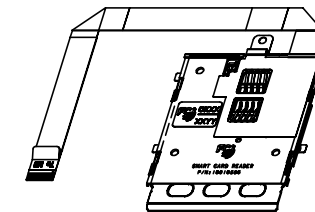
2.7

ADHESIVE AREA
(STICKED BETWEEN
INTERNAL SURFACES)

2.7

ADHESIVE AREA
(STICKED BETWEEN
INTERNAL SURFACES)

2.7



SCALE 0.350

ADHESIVE AREA
(STICKED BETWEEN
INTERNAL SURFACES)

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INTERNAL SURFACES)

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ADHESIVE AREA
(STICKED BETWEEN
INTERNAL SURFACES)

ADHESIVE AREA
(STICKED BETWEEN
INTERNAL SURFACES)

ADHESIVE AREA
(STICKED BETWEEN
INTERNAL SURFACES)

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 1181	95
l'tecn n'dr	date	tolerances	unless otherwise specified	title
W		angles	linear	MM
		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		
appd	JENN.TSAO	06/07/02		
sheet	revision			
index	sheet			

SMART CARD READER
ASSEMBLY

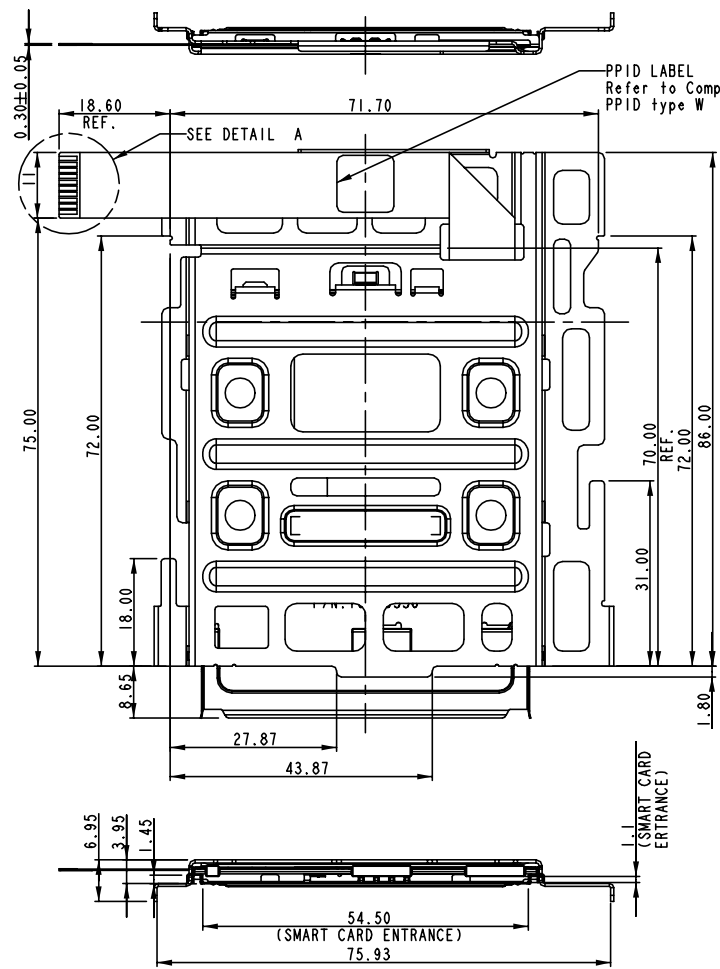
dwg no 10010556 sheet 1 of 21 size A3
type Product Customer Drawing



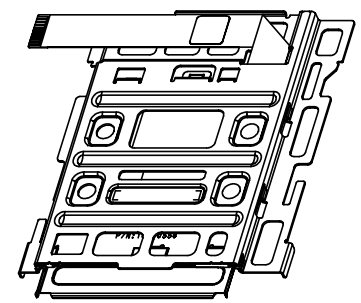
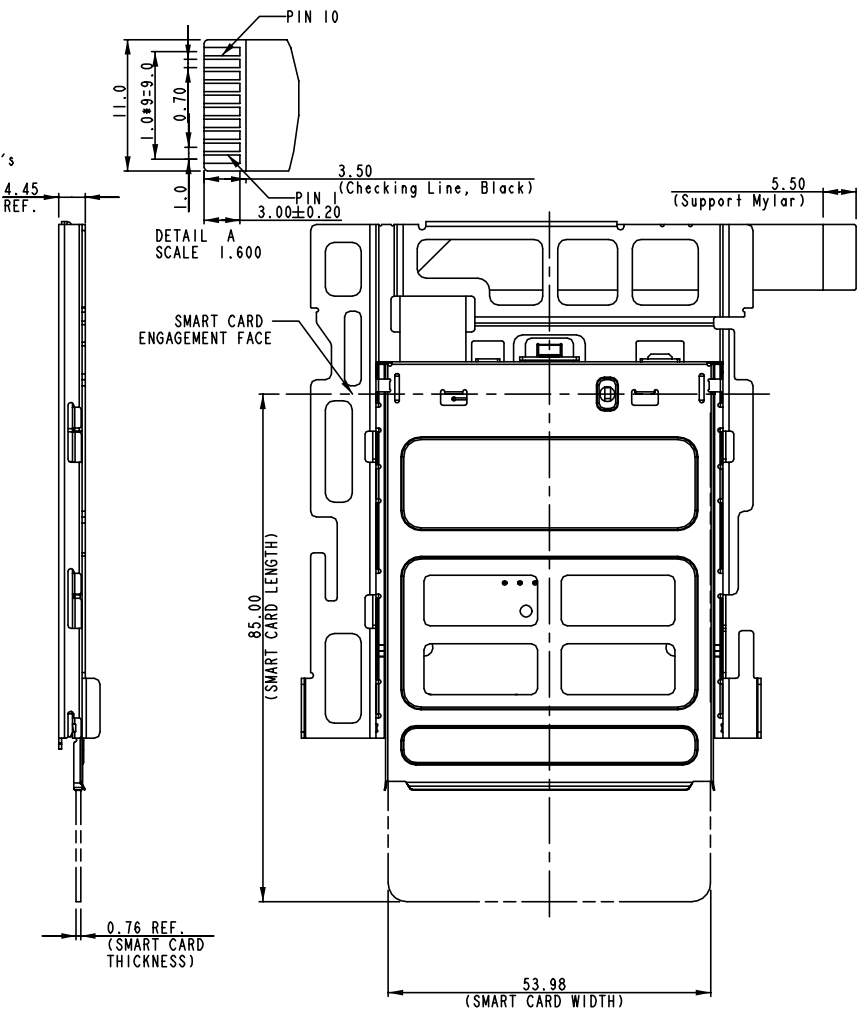
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PART NUMBER
10010556-010LF



- 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
l	tr	ec	n	d	r
date	tolerances unless otherwise specified				
W		angles	linear	MM	
		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			
appd	JENN.TSAO	06/07/02			
sheet	revision				
index	sheet				

SMART CARD READER ASSEMBLY

dwg no 10010556 sheet 2 of 21 size A3

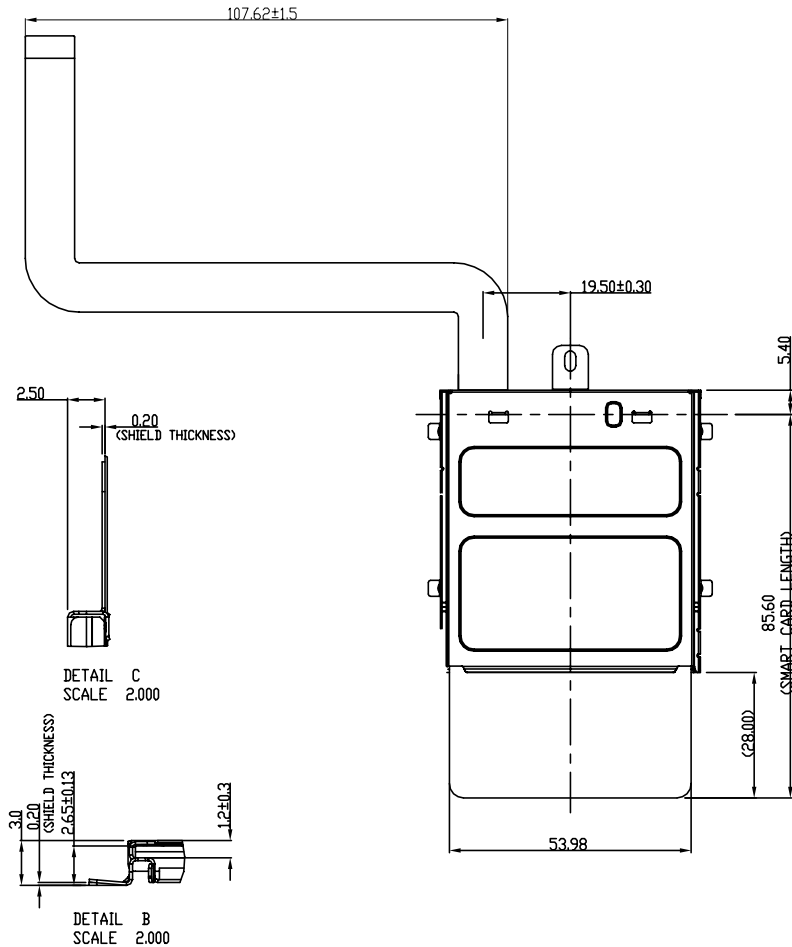
type Product Customer Drawing



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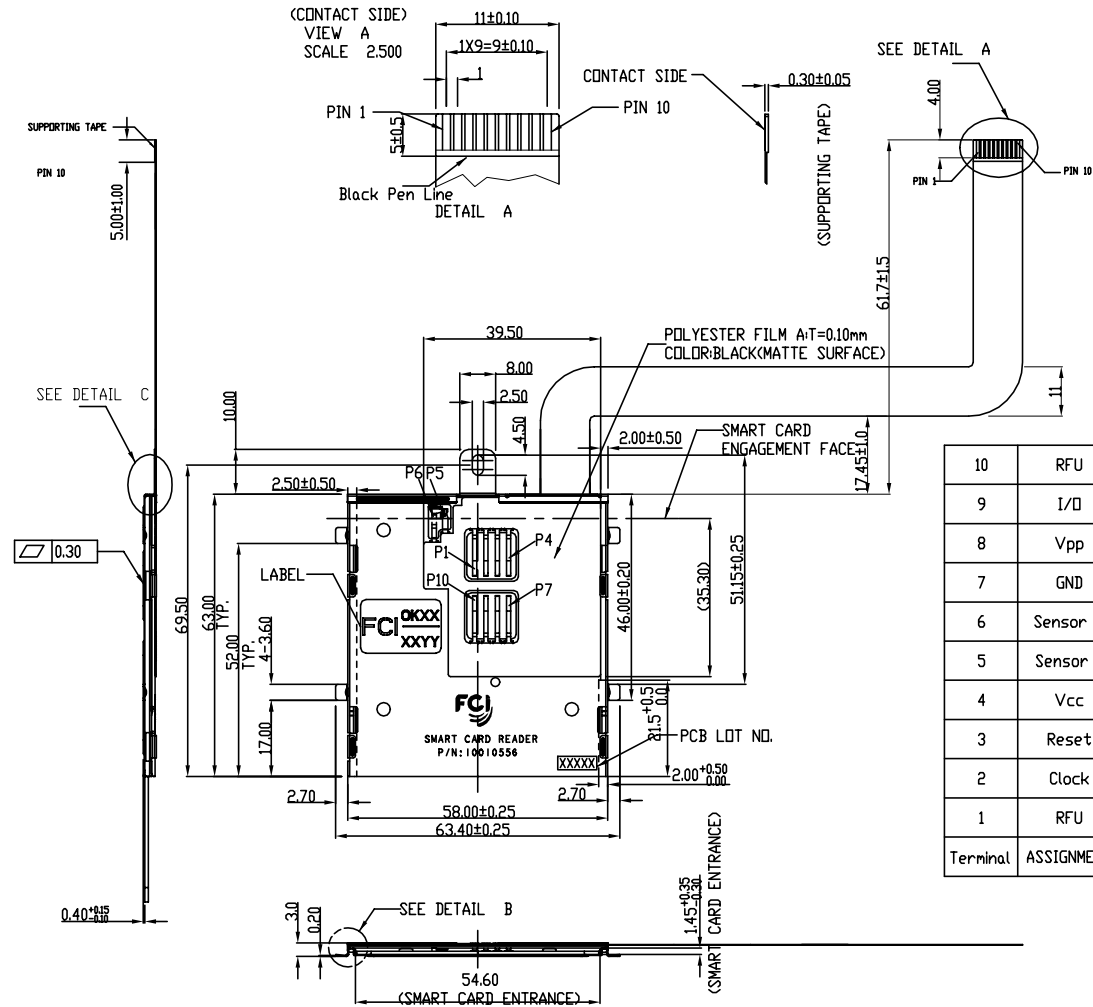
Copyright FCI

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.

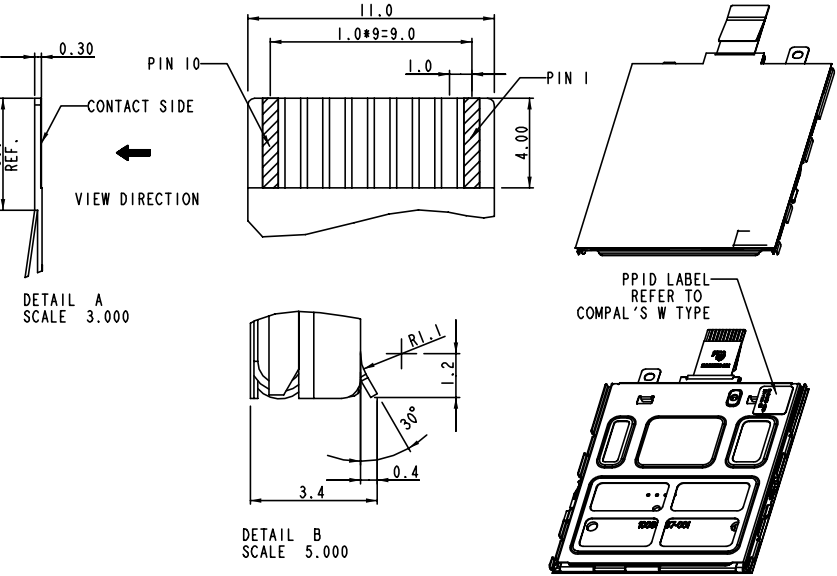
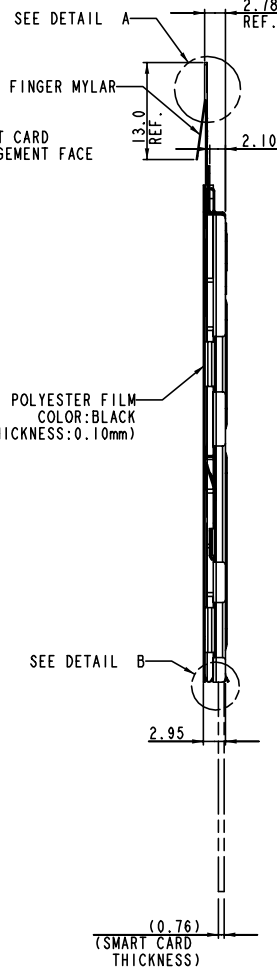
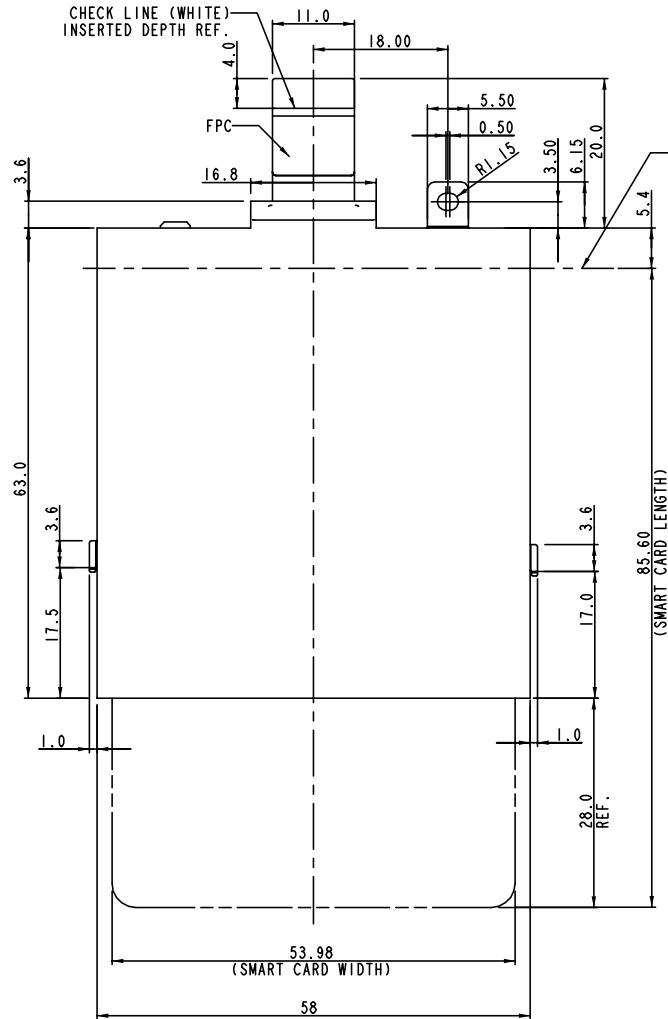
FPC PLATING SPEC AS BELOW:
CONTACT SURFACE: GOLD FLASH.
SOLDER TAIL: TIN PLATING.
 - CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
 - REFERENCE SPECIFICATION:
PRODUCT SPEC. GS 12-231
PACKING SPEC. GS 14-829
 - THE AREA IS PROHIBITED TO PASTE THE MYLAR AND LABEL.



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			
ltr		ecn		nodr		date		tolerances unless otherwise specified				title	
W								angles		linear		0.X±0.5	
												MM	
												0.XX±0.30	
												0.XXX±0.10	
										scale		NA	
												SMART CARD READER ASSEMBLY	
												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 30 uin Min.
 SOLDER TAIL: Pure TIN 75 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		SMART CARD READER ASSEMBLY
	0.XX±0.30			
	0.XXX±0.10		scale NA	
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

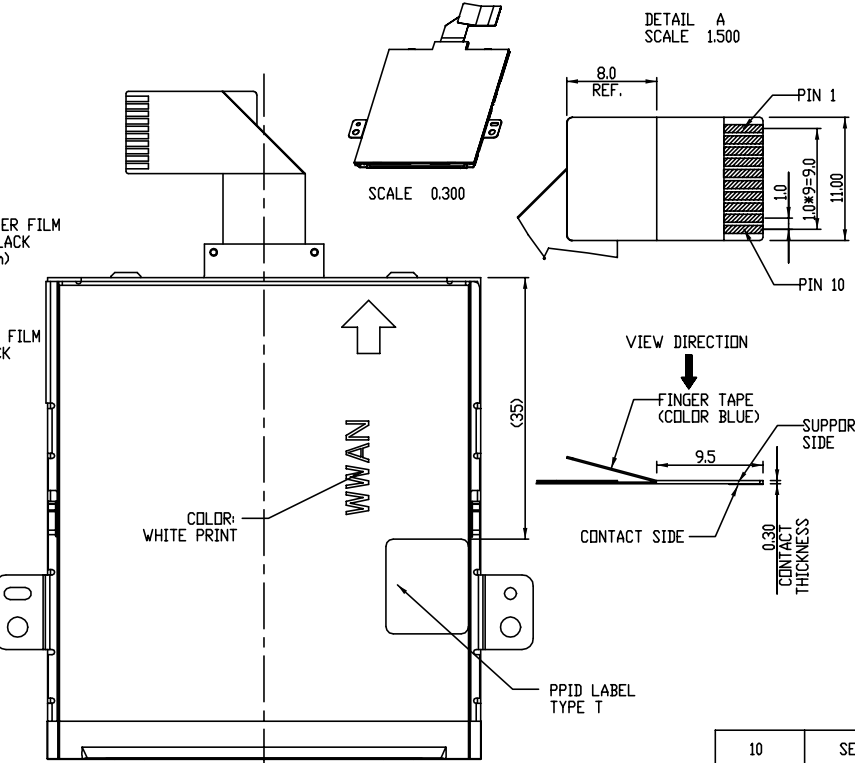
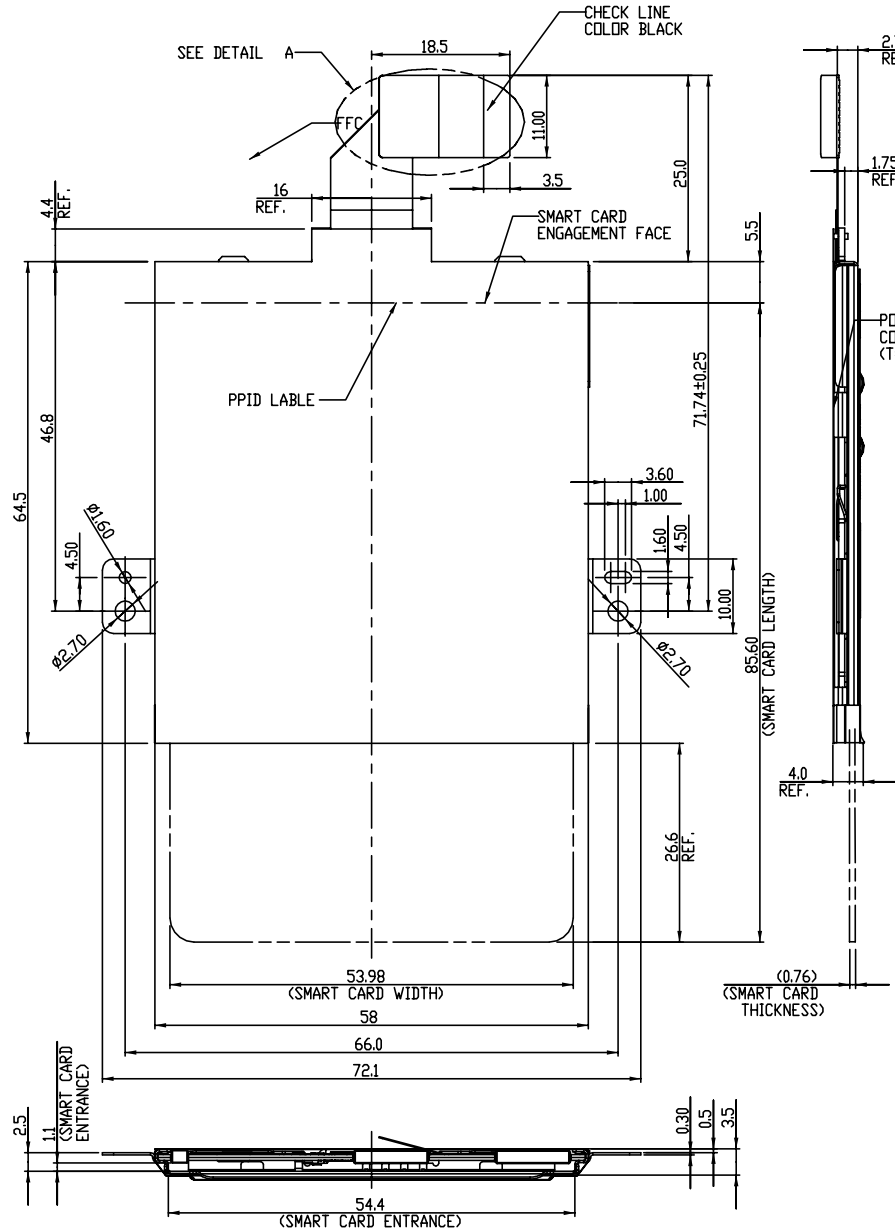
Form: A3 1 2 3 4 PDS: Rev :W STATUS: Released Printed: Feb 04, 2013



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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

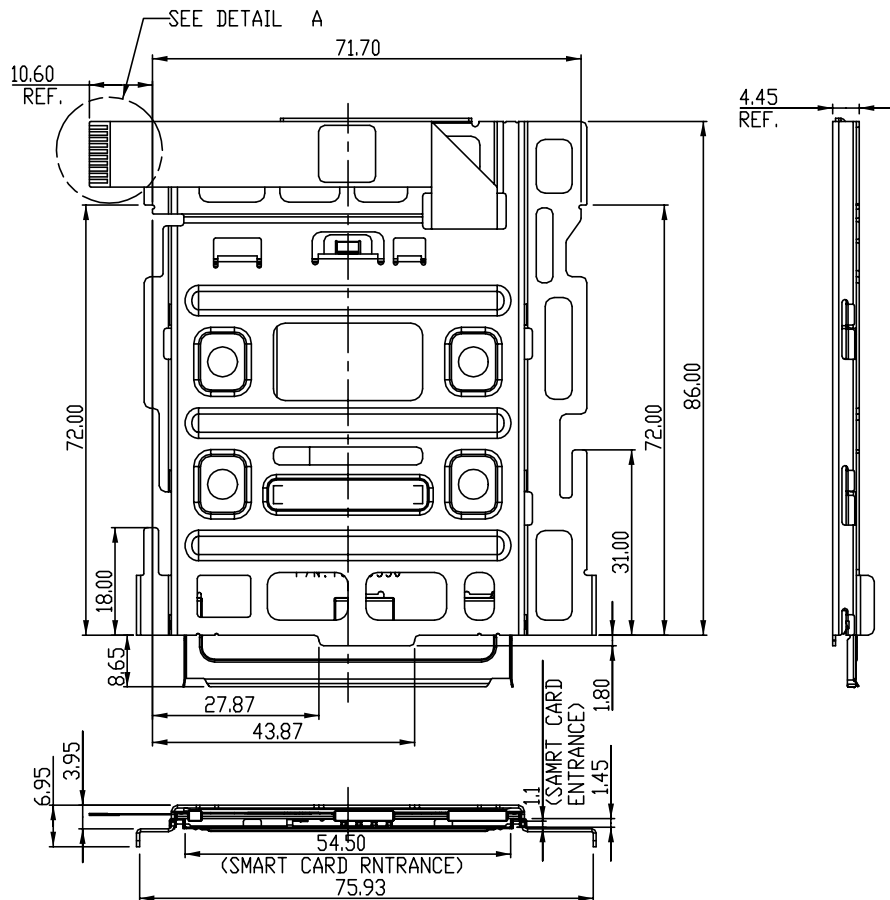
mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
ltr ecn nodr date	tolerances	unless otherwise specified	title	
W	angles	0.X±0.5	MM	SMART CARD READER ASSEMBLY
	linear	0.XX±0.30		
	0±2°	0.XXX±0.10	scale NA	
dr	A.JUANG	06/07/02		dwg no
enr	A.JUANG	06/07/02		sheet 7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



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PRODUCT NO.
10010556-016LF



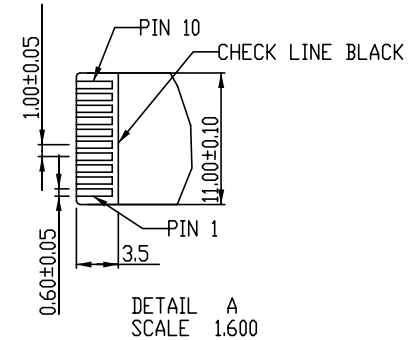
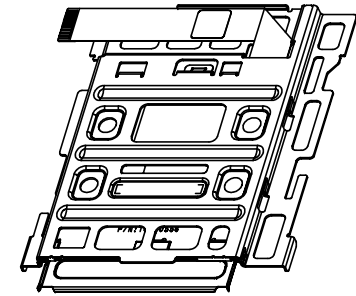
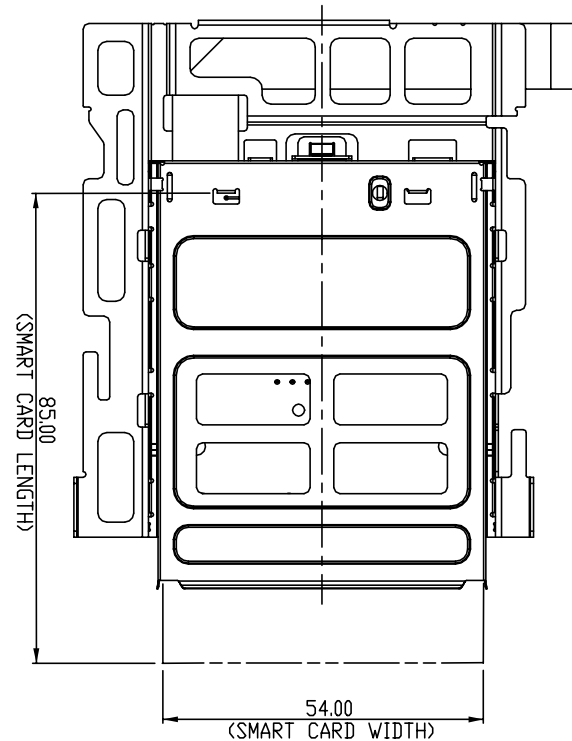
NOTES:

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.

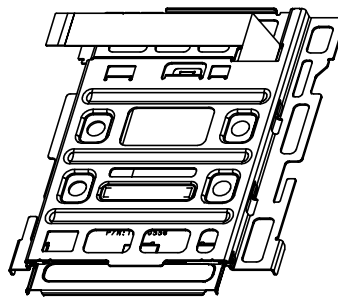
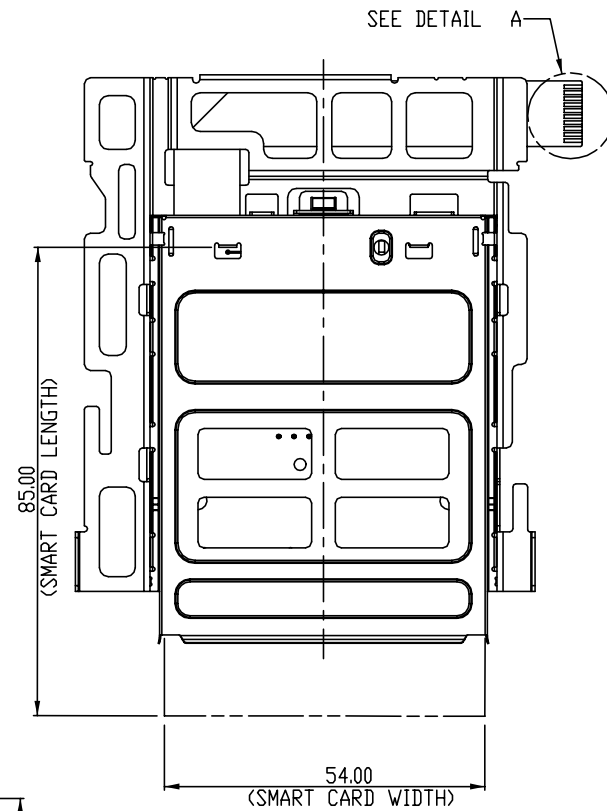
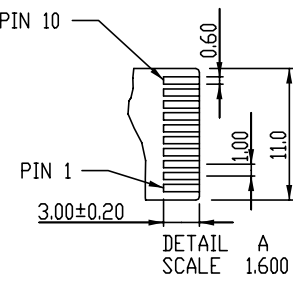
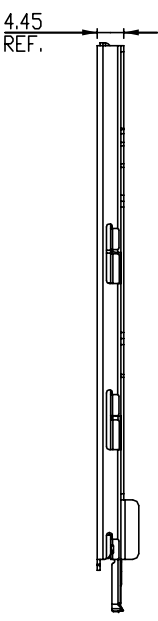
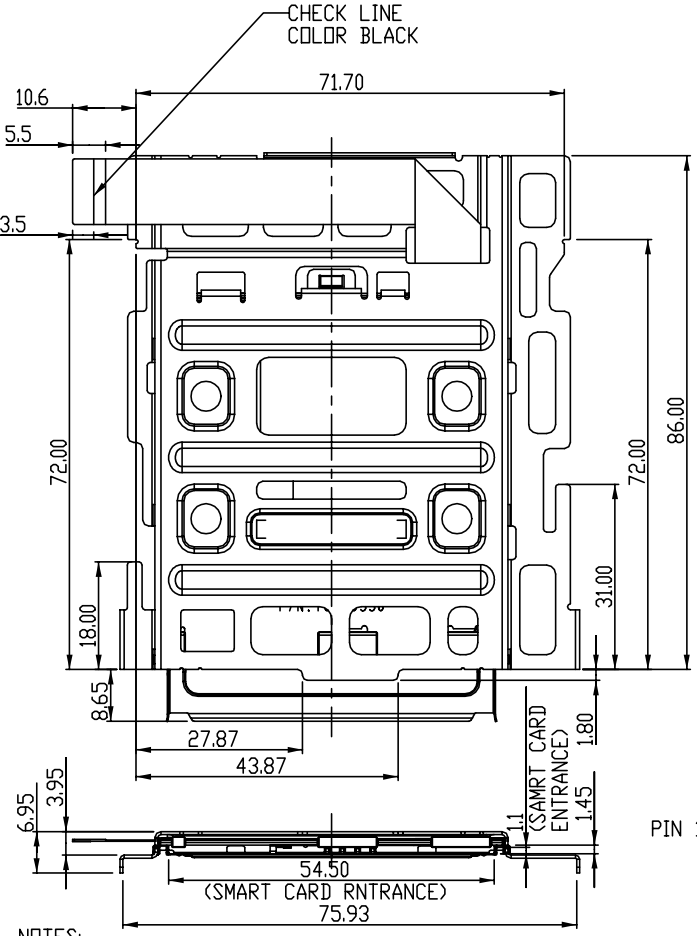
2. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
3. REFERENCE SPECIFICATION:
PRODUCT SPEC: GS-12-231.
PACKING SPEC: GS-14-829.



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 1181				95									
l	tr	ec	n	o	d	r	date		tolerances unless otherwise specified			title							
W							angles	linear	0.X±0.5										
									0.XX±0.30										
							0±2°		0.XXX±0.10										
									scale NA		SMART CARD READER ASSEMBLY								
							dr	A.JUANG	06/07/02			dwg no		sheet 8 of 21		size			
							enr	A.JUANG	06/07/02			10010556		A3					
							chr	A.JUANG	06/07/02										
							app	JENN.TSAO	06/07/02										
sheet		revision										type		Product		Customer		Drawing	
index		sheet																	

PRODUCT NO.
10010556-017LF

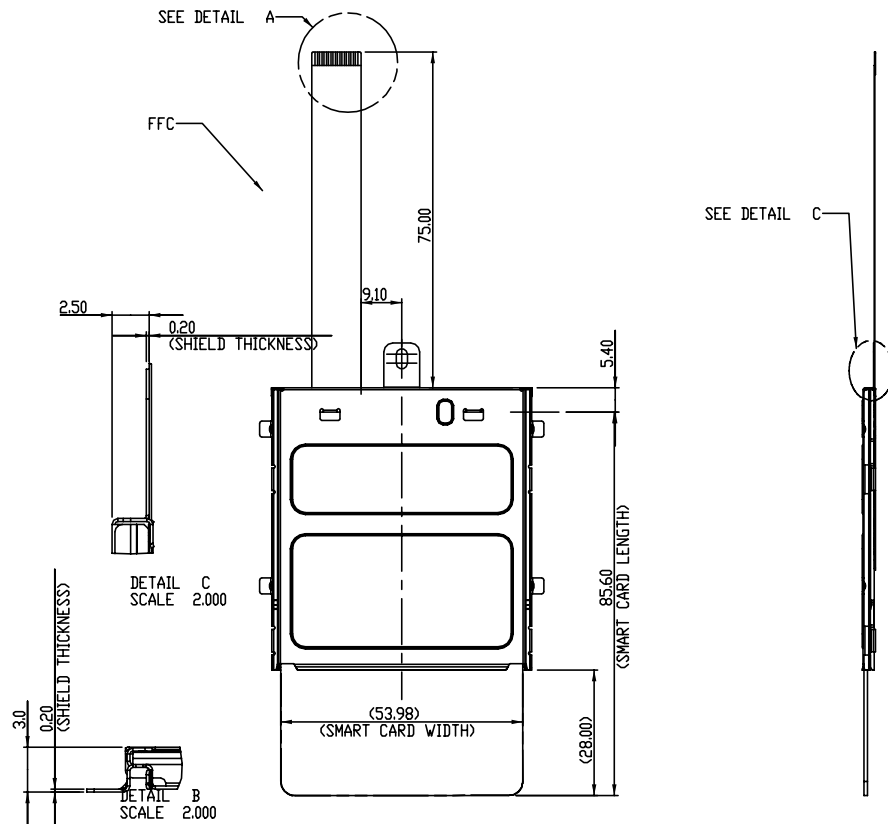


- NOTES:
- Material:
METAL SHELL: STAINLESS STEEL
BRACKET: STEEL
GUIDE BLOCK: THERMOPLASTIC, UL94V-0.
PCB: FR-4, T=0.80mm, UL94V-0.
FFC: POLYESTER, UL20624.
PLATING SPEC AS BELOW:
CONTACT SIDE PLATING: GOLD FLASH 0.076um MIN.
SOLDER SIDE PLATING: MATTE Tin.
TERMINAL: COPPER ALLOY.
PLATING SPEC AS BELOW:
UNDERPLATING: NICKEL.
CONTACT PLATING: GOLD 0.76um MIN.
SOLDER TAIL: MATTE TIN.
 - CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
 - REFERENCE SPECIFICATION:
PRODUCT SPEC: GS-12-231.
PACKING SPEC: GS-14-829.

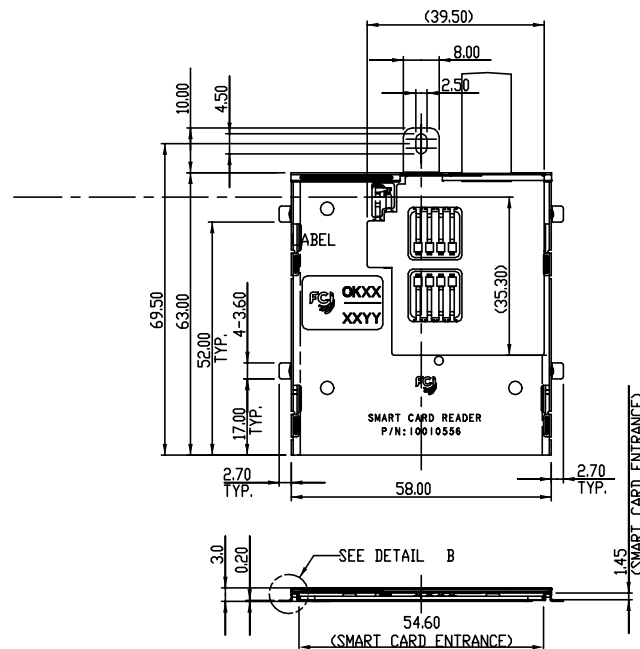
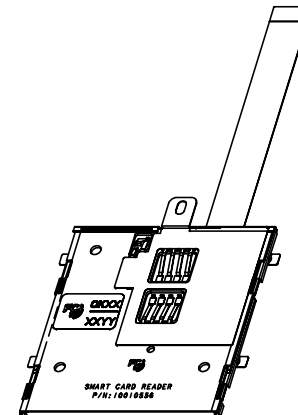
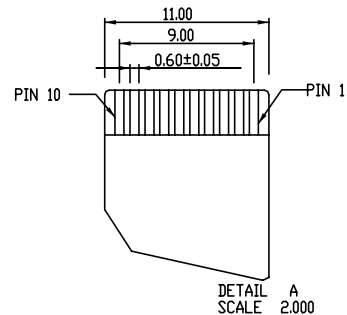
10	VCC	C1
9	RESET	C2
8	CLOCK	C3
7	RFU 4	C4
6	GND	C5
5	VPP	C6
4	I/O	C7
3	RFU 8	C8
2	SENSOR 2	
1	SENSOR 1	
PIN NO.	ASSIGNMENT	PIN NO. DEFINED BY ISO-7816

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			

PRODUCT NO
10010556-018LF



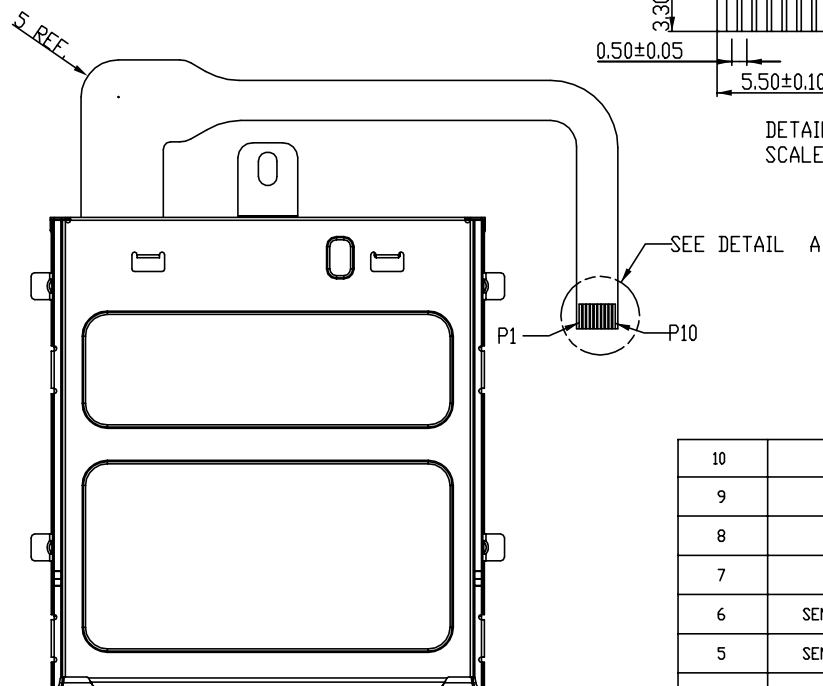
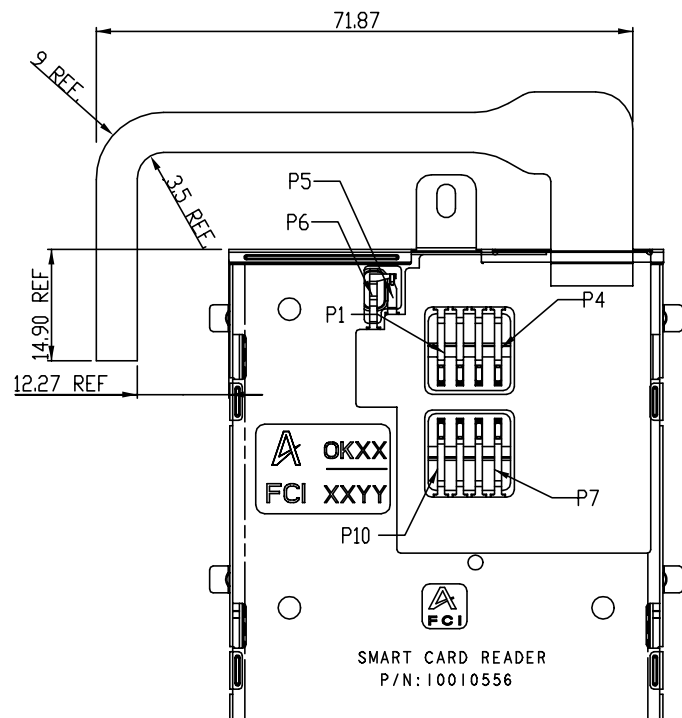
NOTE:
1. Material:
METAL SHELL: STAINLESS STEEL, T=0.20mm
PCB: FR-4, T=0.80mm
TERMINAL: PHOSPHOR BRONZE.
PLATING SPEC AS BELOW:
ALL OVER NICKEL UNDERPLATING
GOLD PLATING ON CONTACT SURFACE.
MATTE TIN PLATING ON SOLDER TAIL.
FLEXIBLE FLAT CABLE: TOTAL LENGTH=124±2mm
PLATING SPEC AS BELOW:
CONTACT SURFACE: 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		
l	tr	ec	n	d	r	date			tolerances unless otherwise specified		
W							title				
			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				
			enr		A.JUANG		06/07/02				
			chr		A.JUANG		06/07/02				
			appd		JENN.TSAO		06/07/02				
sheet			revision						dwg no		
index			sheet						sheet 20 of 21		
									size		
									10010556		
									A3		
									type Product Customer Drawing		

PRODUCT NO
10010556-019LF



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

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

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	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			