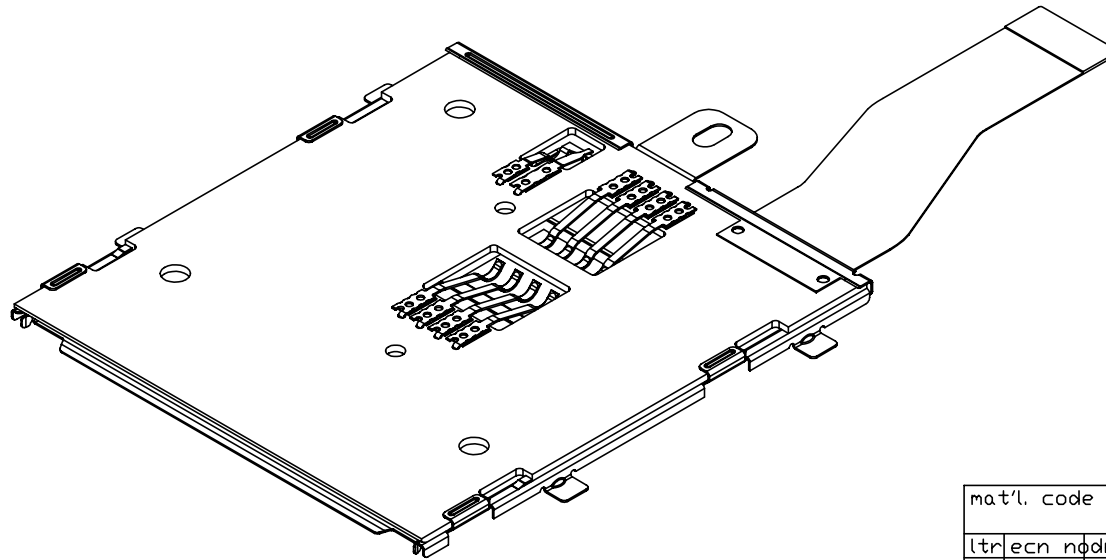


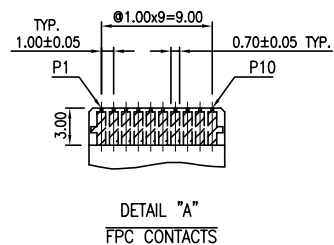
PRODUCT NO.	FPC	PACKAGING	COMPONENTS	LEAD FREE	PCB COLOR
10010556-002LF	10010559-002LF	10017475-02-002	ELEC. PARTS	YES	BLUE
10010556-003LF	10105325-001	10017475-02-009	N/A	YES	BLACK
10010556-004LF	10056226-002LF(FFC)	10017475-02-004	N/A	YES	BLUE
10010556-006LF	10058983-001LF	10017475-02-003	N/A	YES	BLACK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

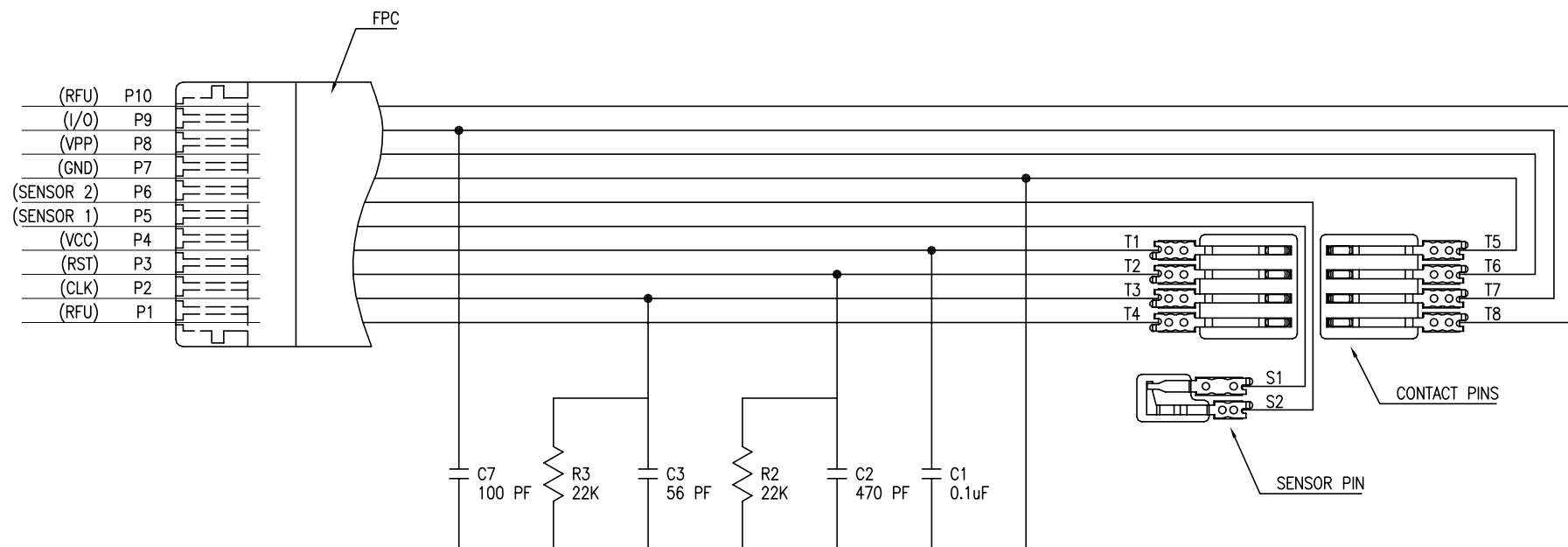
1. SMART CARD READER FOR LOWER PROFILE HEIGHT OF 3.0 mm.
2. TOTAL CIRCUIT RESISTANCE PER ONE LOOP SHALL NOT EXCEED 100 MILLIOHMS.
3. MATERIALS :
CONTACTS : COPPER ALLOY, GOLD OVER NICKEL ON CONTACT AREA.
TOP PCB : FR4.
COVER : STAINLESS STEEL.
4. ENVIRONMENT :
STORAGE TEMPERATURE : FROM -40°C TO 100°C.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



mat'l. code				surface		tolerance		projection		product family		
				ISO 1302 ✓		ISO 406 ISO 1181				95		
ltr ecn 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		dwg no				sheet 1 of 21
V	N10-0058	SH	03/03/10	endr	A.JUANG	06/07/02				10010556		A3
W	ELX-N-012726	ZK	09/30/12	chr	A.JUANG	06/07/02						
				appd		JENN.TSAO	06/07/02		type Product Customer Drawing			
sheet		revision										
index		sheet										



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



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		sheet 3 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																	

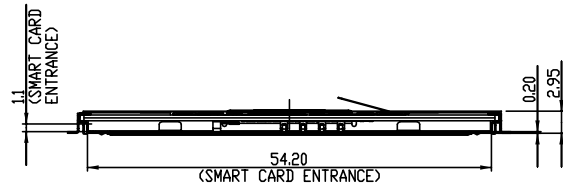
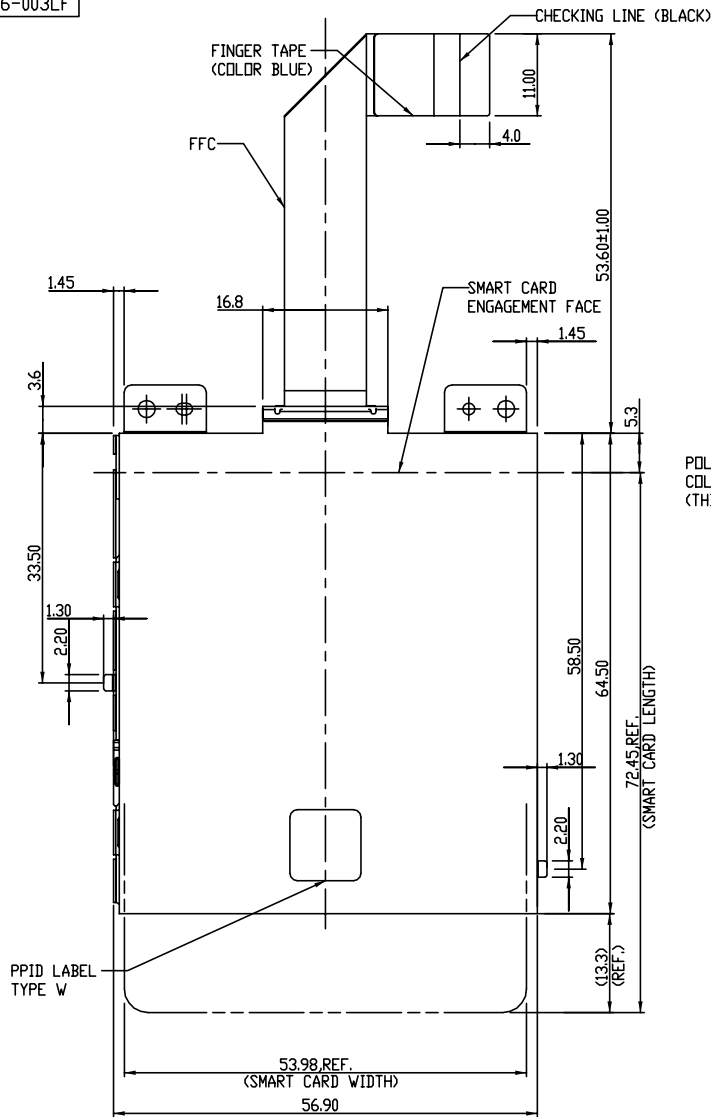


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D

PART NUMBER
10010556-003LF

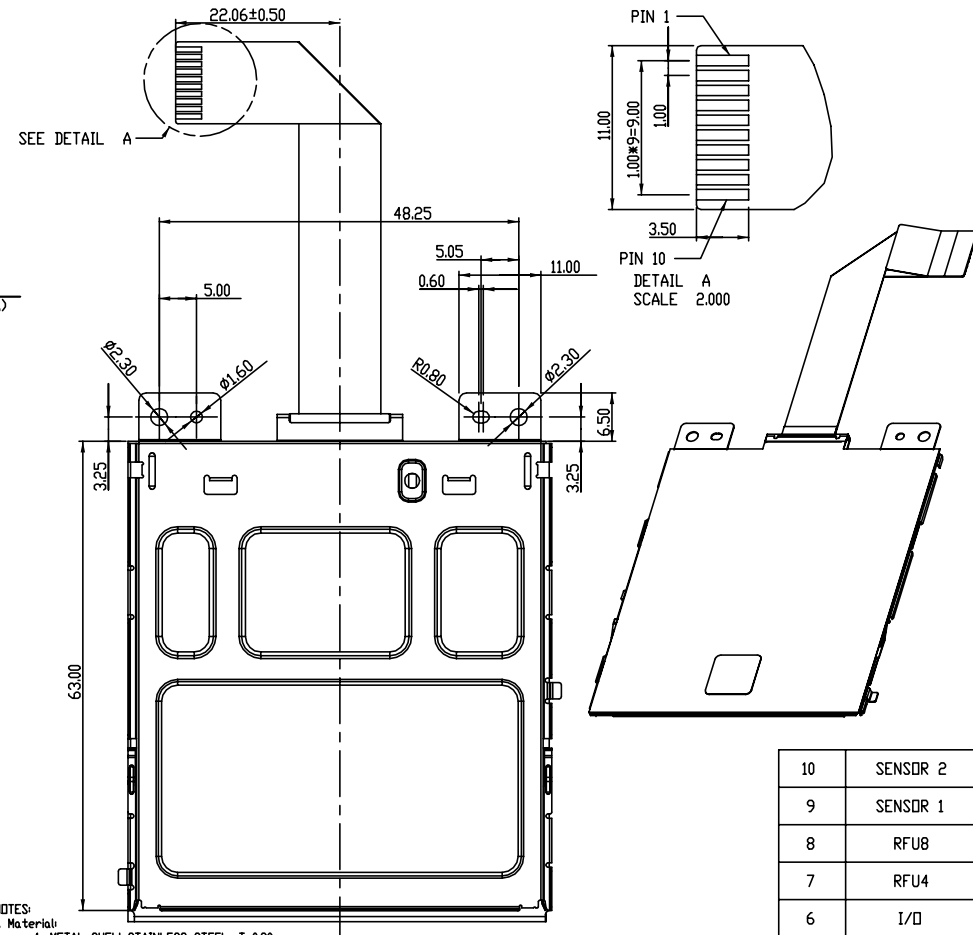


POLYESTER FILM
COLOR: BLACK
(THICKNESS: 0.10mm)

(0.76)
(SMART CARD
THICKNESS)

3.0
(REF.)

3.1
(REF.)



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

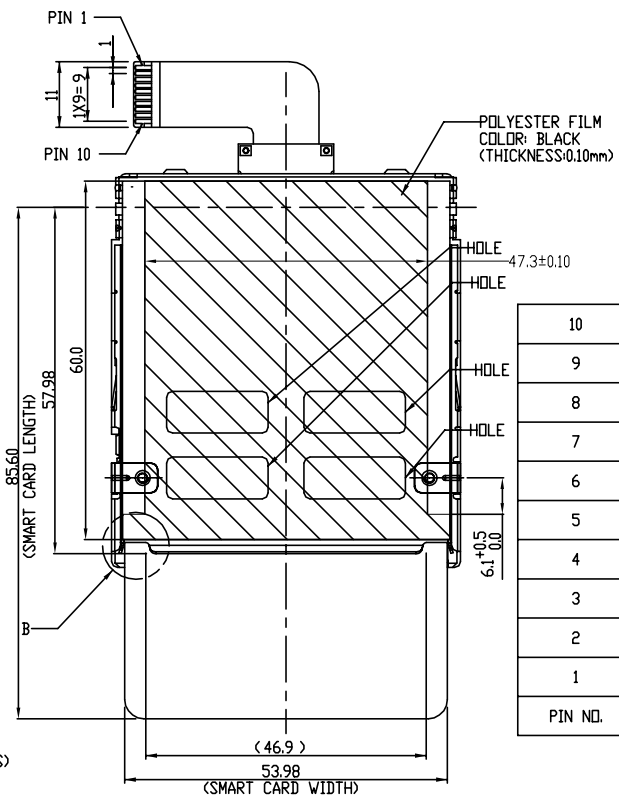
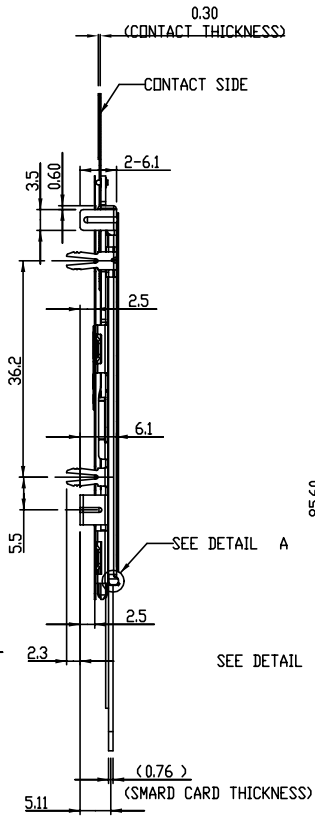
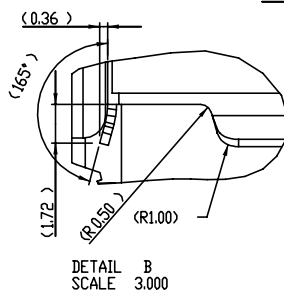
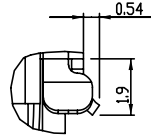
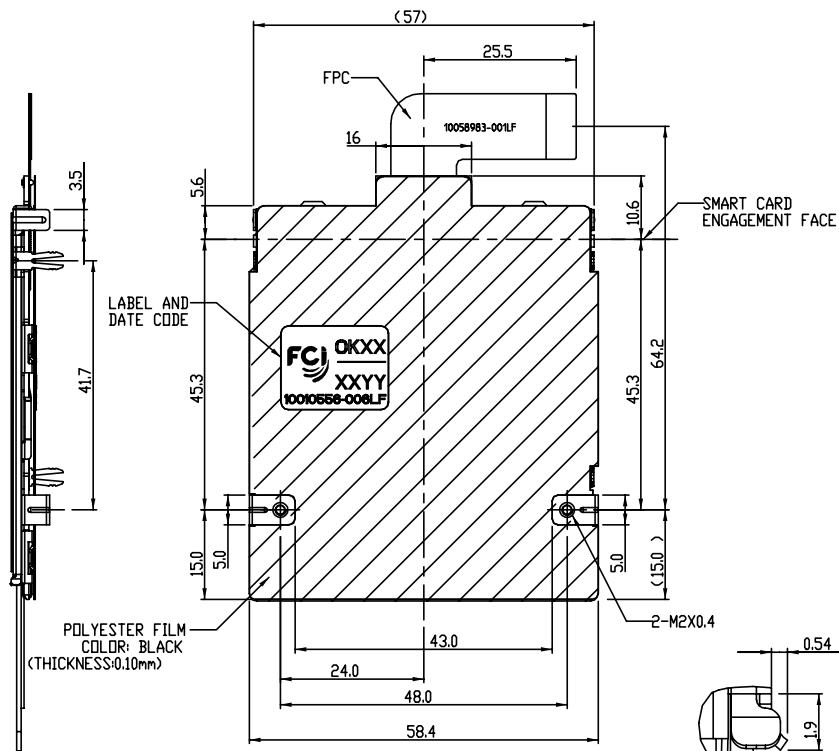
mat'l. code	surface ISO 1302 ✓	tolerance ISO 406 ISO 1181	projection ISO 1181	product family 95
ltr ecn nldr date	tolerances unless otherwise specified	linear	MM	title SMART CARD READER ASSEMBLY
W	angles	0.X±0.5 0.XX±0.30 0.XXX±0.10	scale NA	dwg no 10010556
dr	A. JUANG	06/07/02		sheet 4 of 21
enr	A.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



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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 nldr date	tolerances	unless otherwise specified	linear	title
W	angles	0.X±0.5	MM	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 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

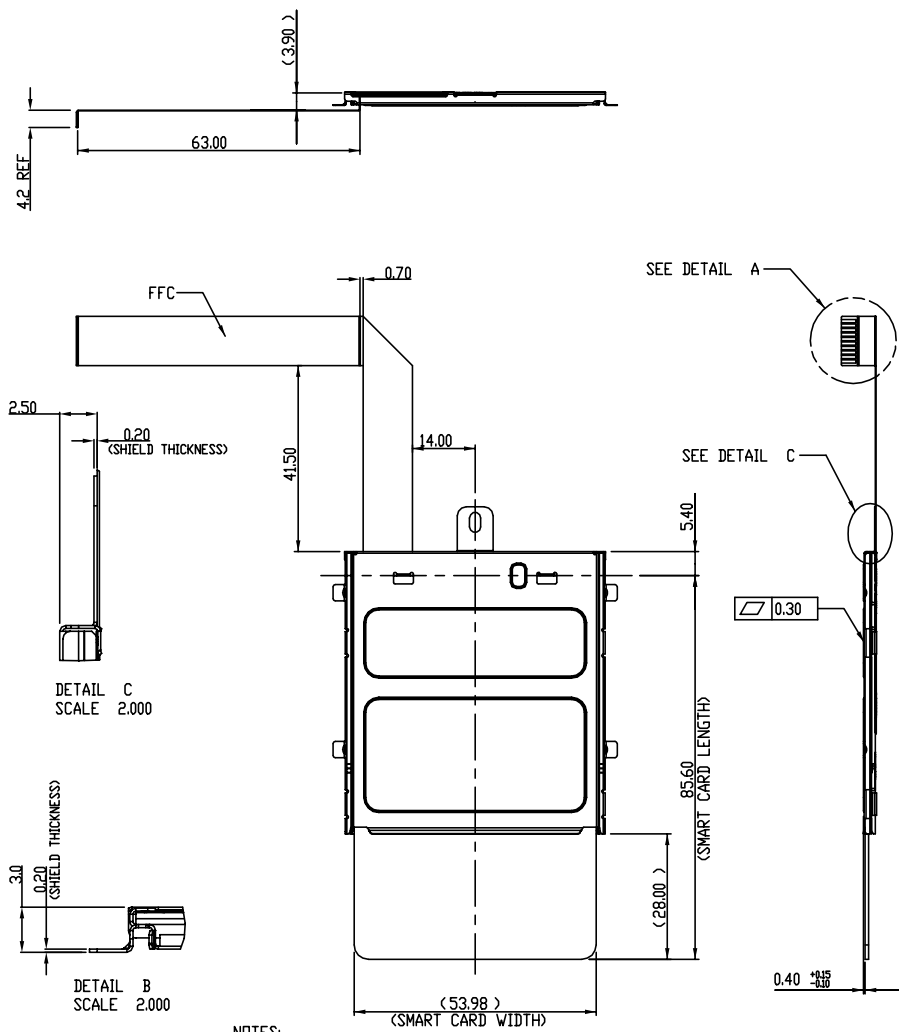




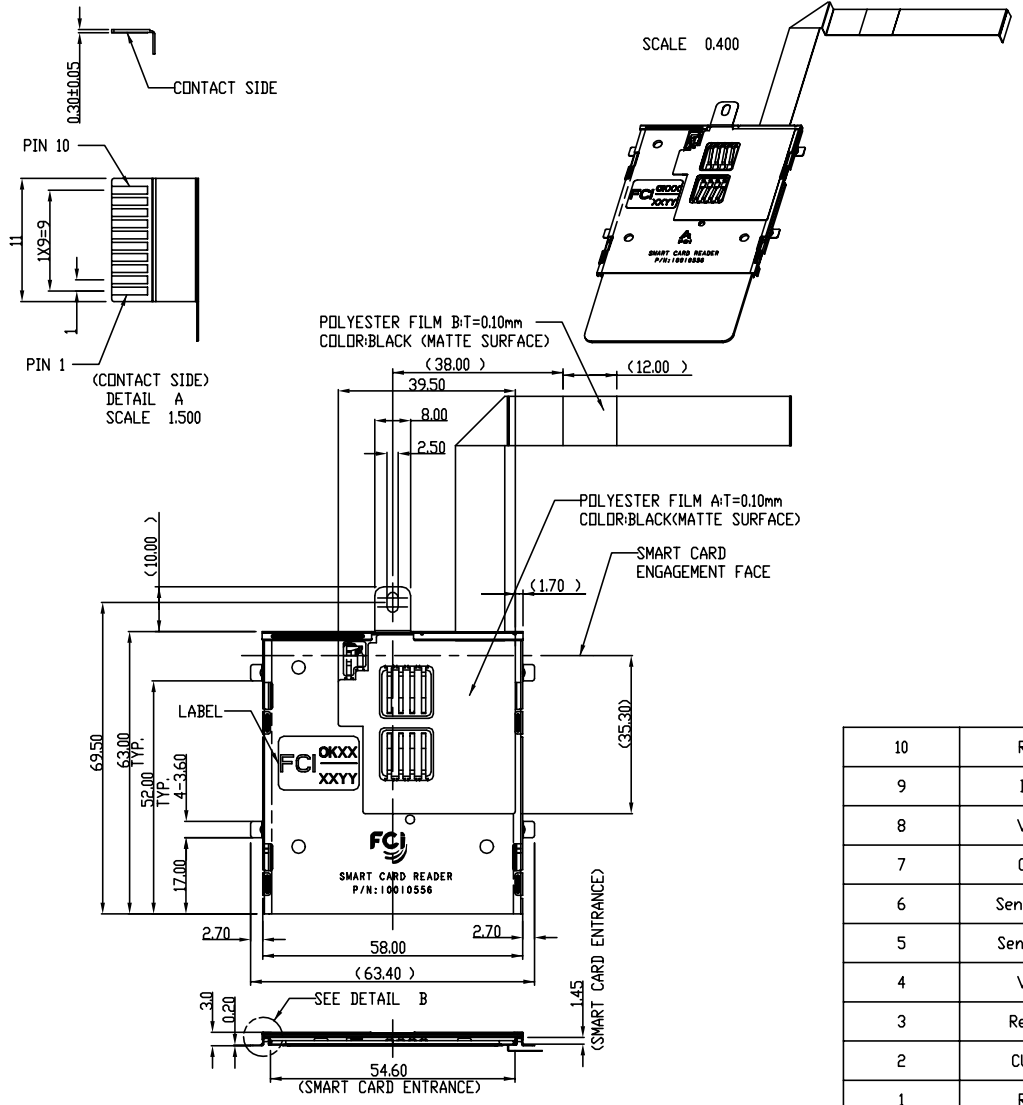
FCIconnect.com

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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



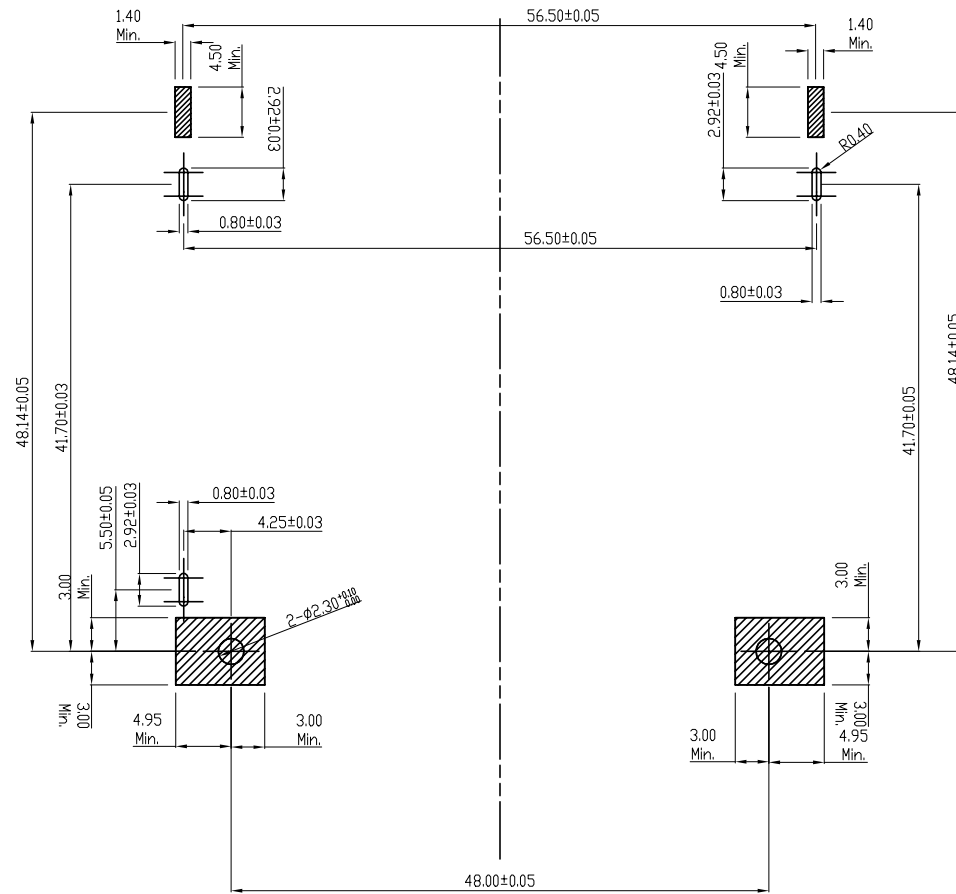
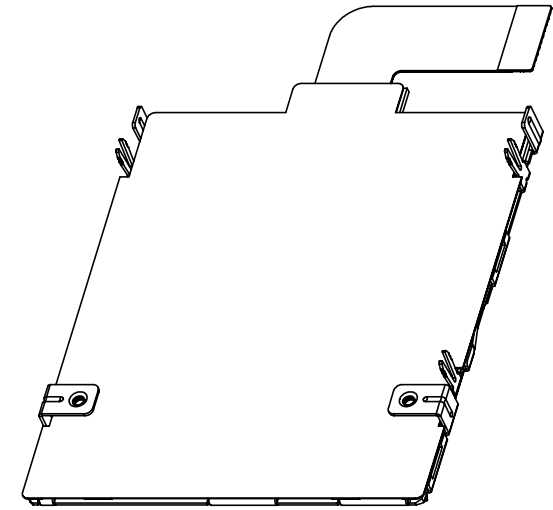
10	RFU
9	I/O
8	Vpp
7	GND
6	Sensor 2
5	Sensor 1
4	Vcc
3	Reset
2	Clock
1	RFU
PIN NO.	ASSIGNMENT

mat'l. code				surface		tolerance		projection		product family					
				ISO 1302 ✓		ISO 406 ISO 1101				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	
						engr		A.JUANG		06/07/02				sheet 5 of 21	
						chr		A.JUANG		06/07/02				10010556	
						appd		JENN.TSAO		06/07/02				size A3	
sheet		revision										type		Product Customer Drawing	
index		sheet													



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PRODUCT NO
10010556-006LFRECOMMENDED 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

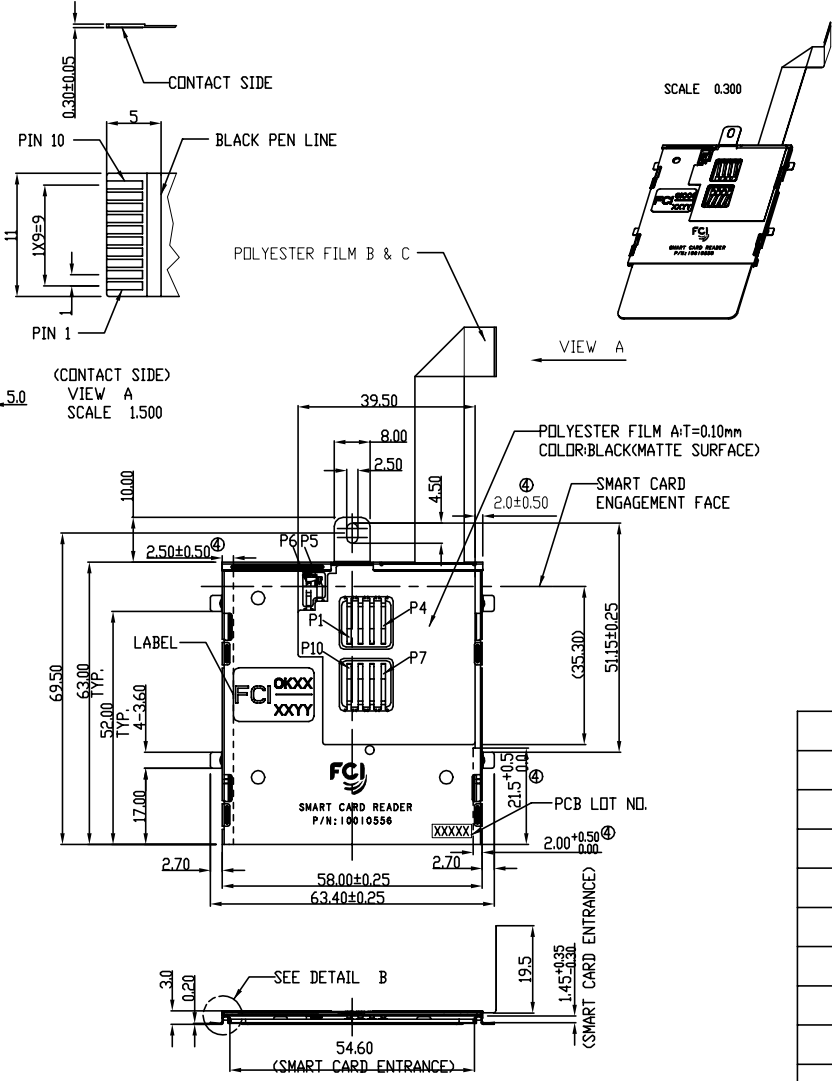
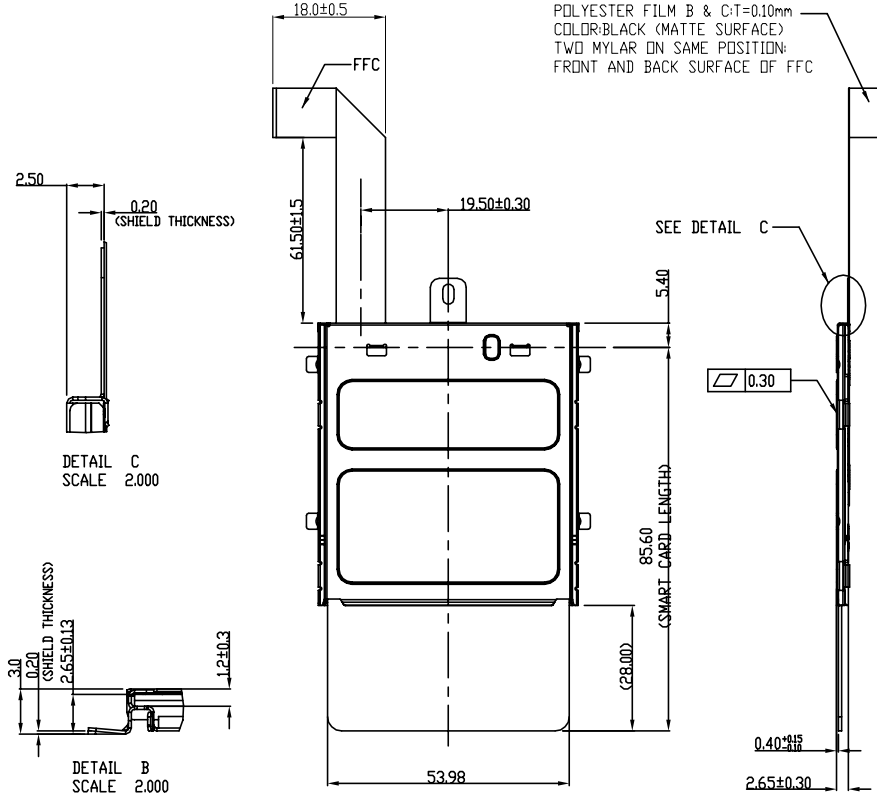
mat'l. code		surface	tolerance	projection	product family
ISO 1302		ISO 406	ISO 1101	95	
l	tr	ec	n	dr	date
tolerances unless otherwise specified		linear		title	
W		angles	linear	MM	SMART CARD READER ASSEMBLY
		0±2°	0.X±0.5	0.XX±0.30	0.XXX±0.10
		dr	A.JUANG	06/07/02	scale NA
		enr	A.JUANG	06/07/02	dwg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



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D

PRODUCT NO
10010556-005LF

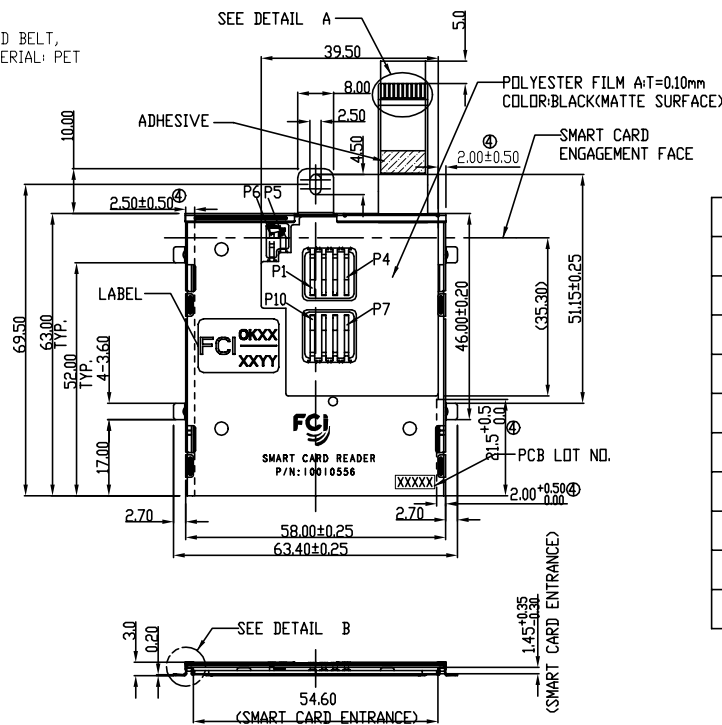
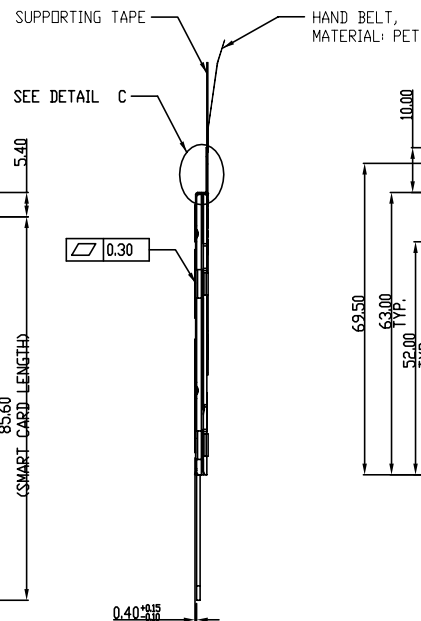
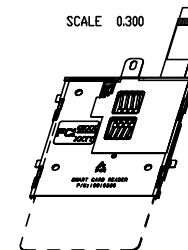


10	RFU
9	I/O
8	Vpp
7	GND
6	Sensor 2
5	Sensor 1
4	Vcc
3	Reset
2	Clock
1	RFU
PIN NO.	ASSIGNMENT

- NOTES:
- 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.

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
		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 index	revision sheet			

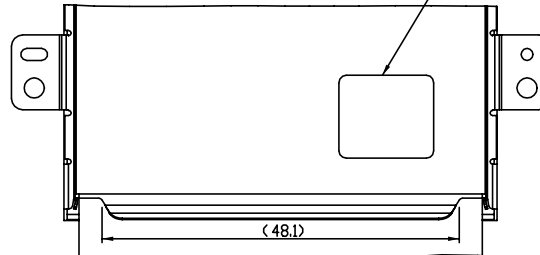
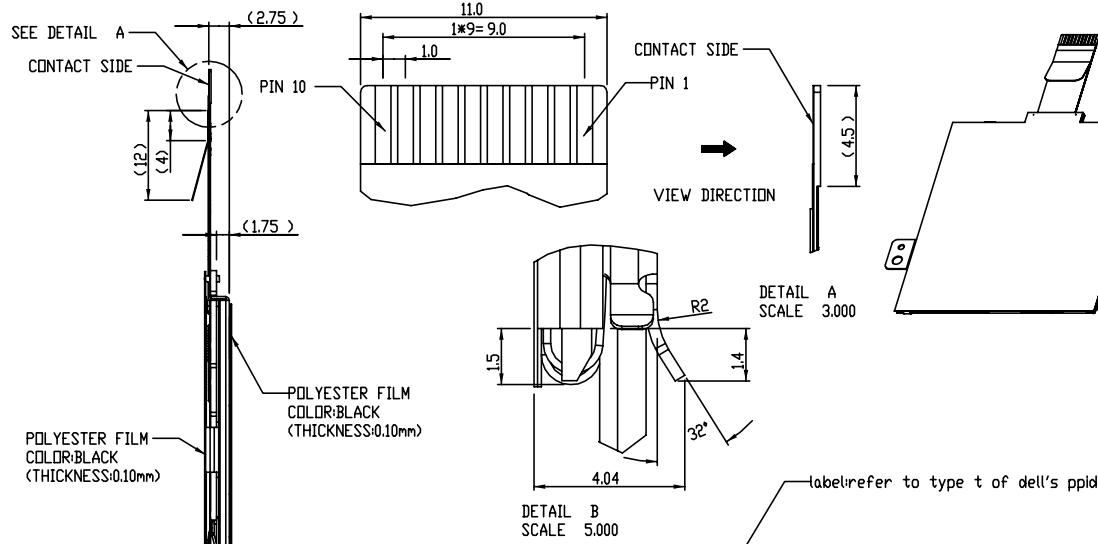
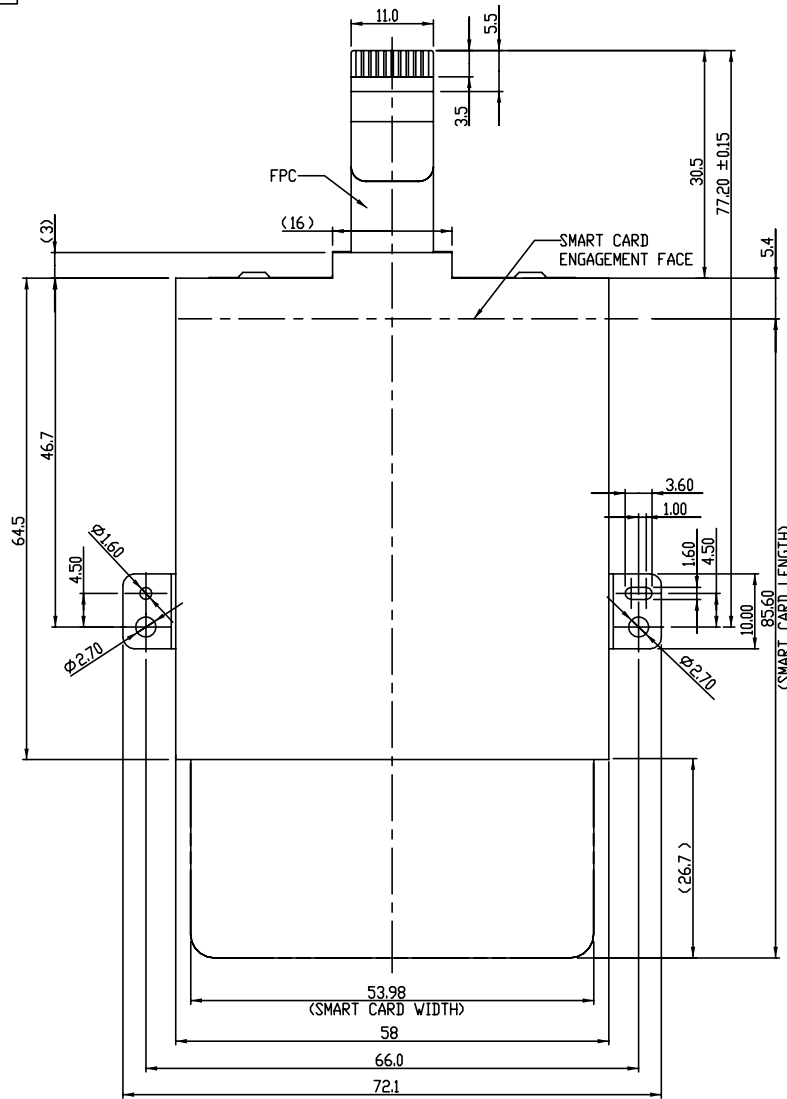
dwg no		sheet 8 of 21	size
10010556			A3
type Product Customer Drawing			



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								title	
W				angles		linear		$0.X \pm 0.5$ $0.XX \pm 0.30$ $0.XXX \pm 0.10$					
				0±2°				scale NA		SMART CARD READER ASSEMBLY			
				dr	A.JUANG	06/07/02				dwg no			
				engr	A.JUANG	06/07/02				sheet 9 of 21		size	
				chr	A.JUANG	06/07/02				10010556		A3	
				appd	JENN.TSAO	06/07/02				type		Product Customer Drawing	
sheet		revision											
index		sheet											

PART NUMBER
10010556-007LF

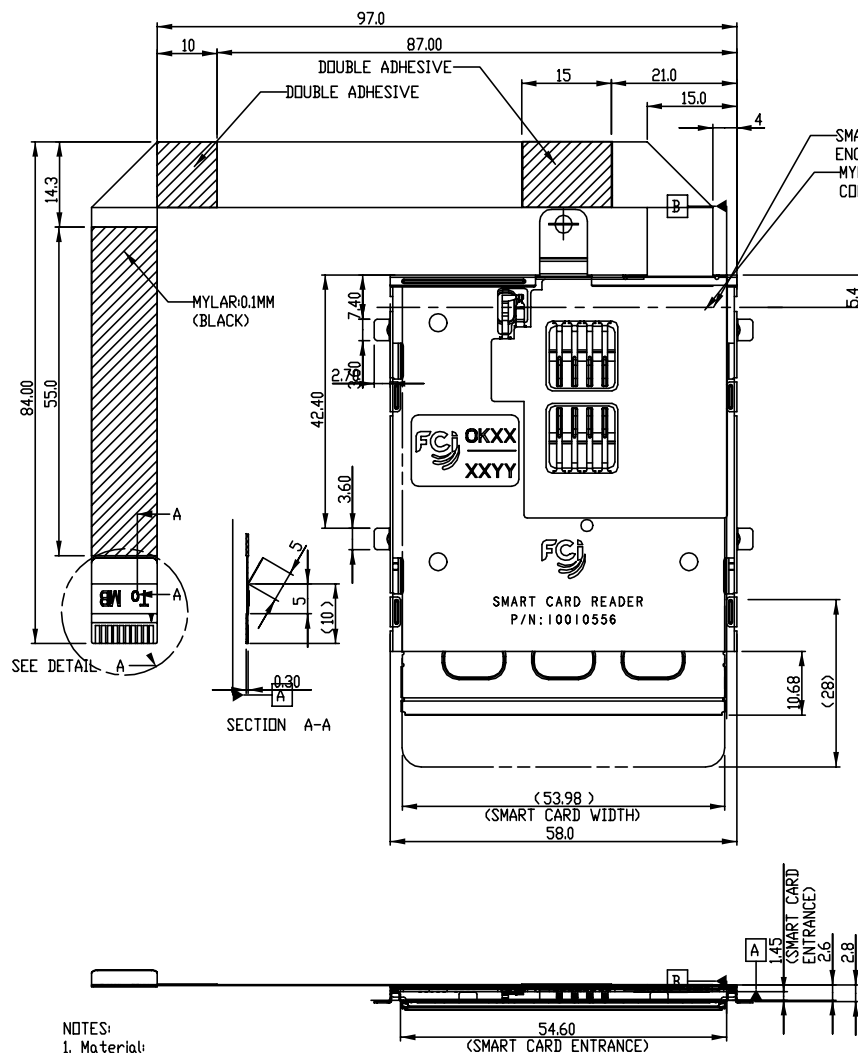


NOTE:
 1. Material:
 METAL SHELL: STAINLESS STEEL, T=0.30mm
 GUIDE BLOCK: THERMOPLASTIC, UL94V-0
 PCB: FR-4, T=0.80mm, UL94V-0
 FPC: POLYIMIDE, T=0.30mm, UL94V-0
 PLATING SPEC AS BELOW:
 UNDERPLATING: Ni 50 uin Min.
 CONTACT SIDE PLATING: Au 3 uin Min.
 SOLDER SIDE PLATING: Pure Tin 100 uin Min.
 TERMINAL: 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	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	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 A3
appd	JENN.TSAO	06/07/02		type Product Customer Drawing
sheet index	revision sheet			

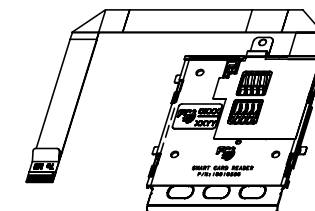
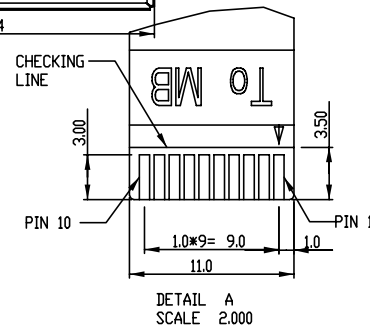
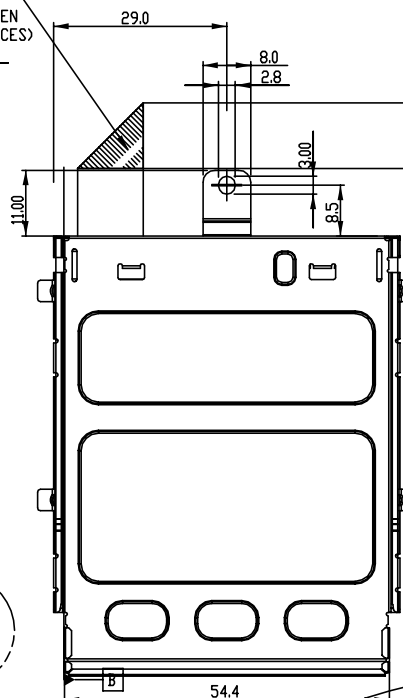
PART NUMBER
10010556-009LF



- 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)

DETAIL B
SCALE 2.000



SCALE 0.350

PIN NO.	ASSIGNMENT	PIN NO. DEFINED BY ISO-7816
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

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		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 index	revision sheet			

dwg no 10010556 sheet 1 of 21 size A3

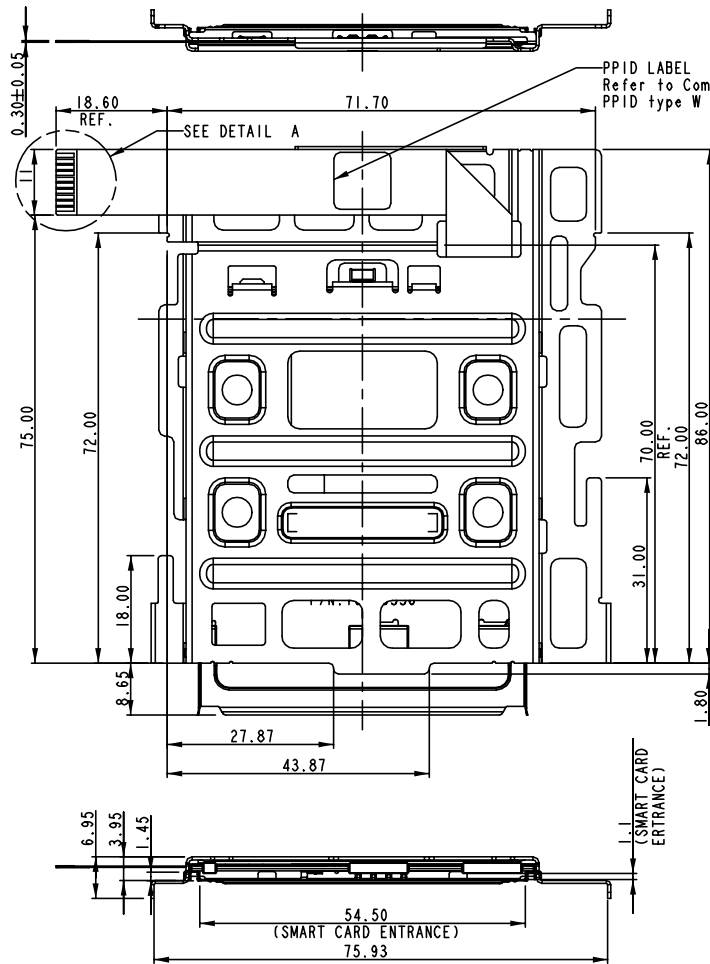
type Product Customer Drawing

FCI

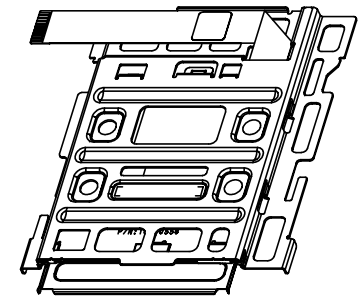
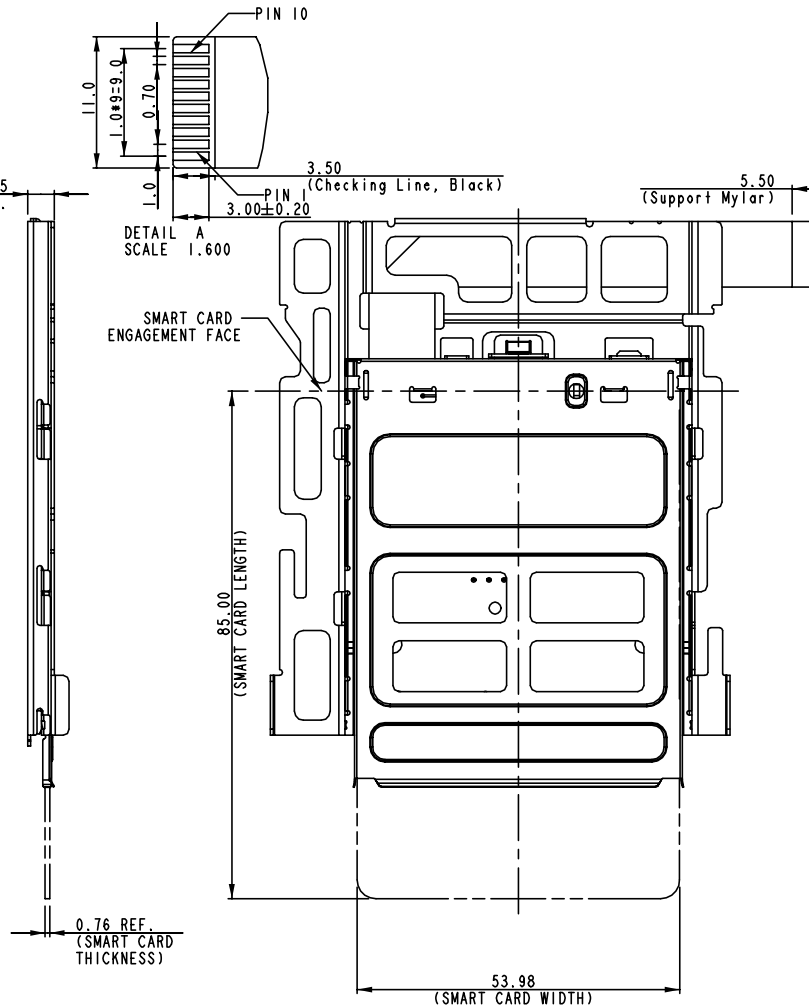
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PART NUMBER
10010556-010LF



- 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

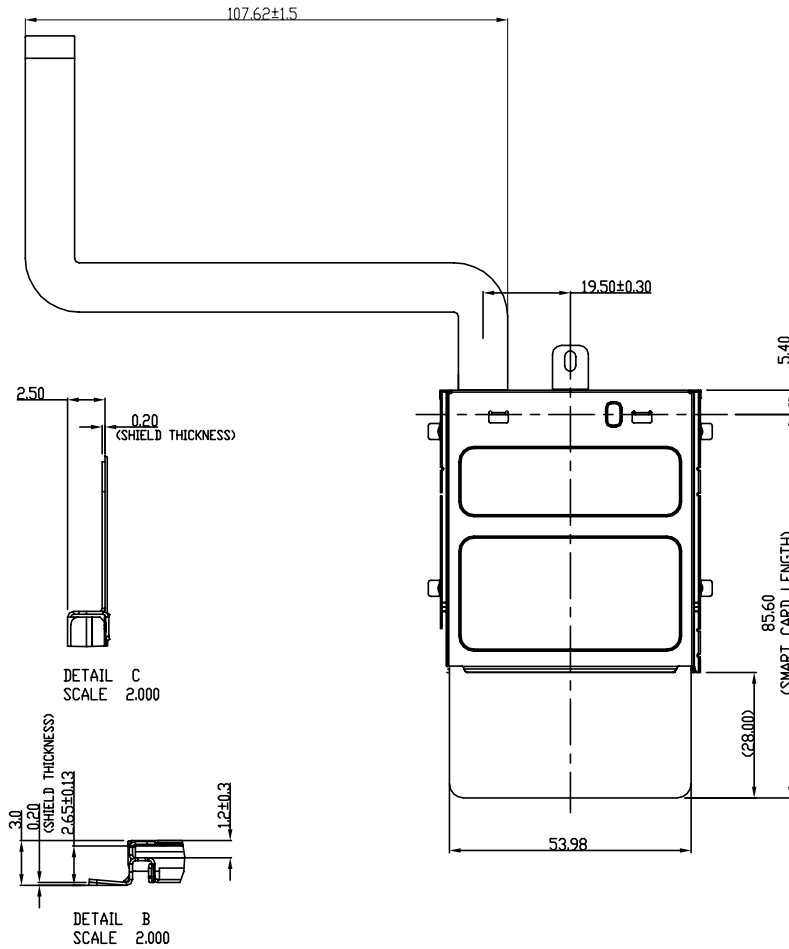
10	VCC	C1
9	Reset	C2
8	Clock	C3
7	RFU4	C4
6	Gnd	C5
5	VPP	C6
4	I/O	C7
3	RFU8	C8
2	SENSOR 2	
1	SENSOR 1	
PIN NO.	ASSIGNMENT	PIN NO. DEFINED BY ISO-7816

mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1181	95
ltr	ecn	no	date	tolerances unless otherwise specified
W				0.X±0.5
	angles	linear		0.XX±0.30
	0±2°			0.XXX±0.10
	dr	A.JUANG	06/07/02	scale NA
	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

PRODUCT NO
10010556-012LF



NOTES:

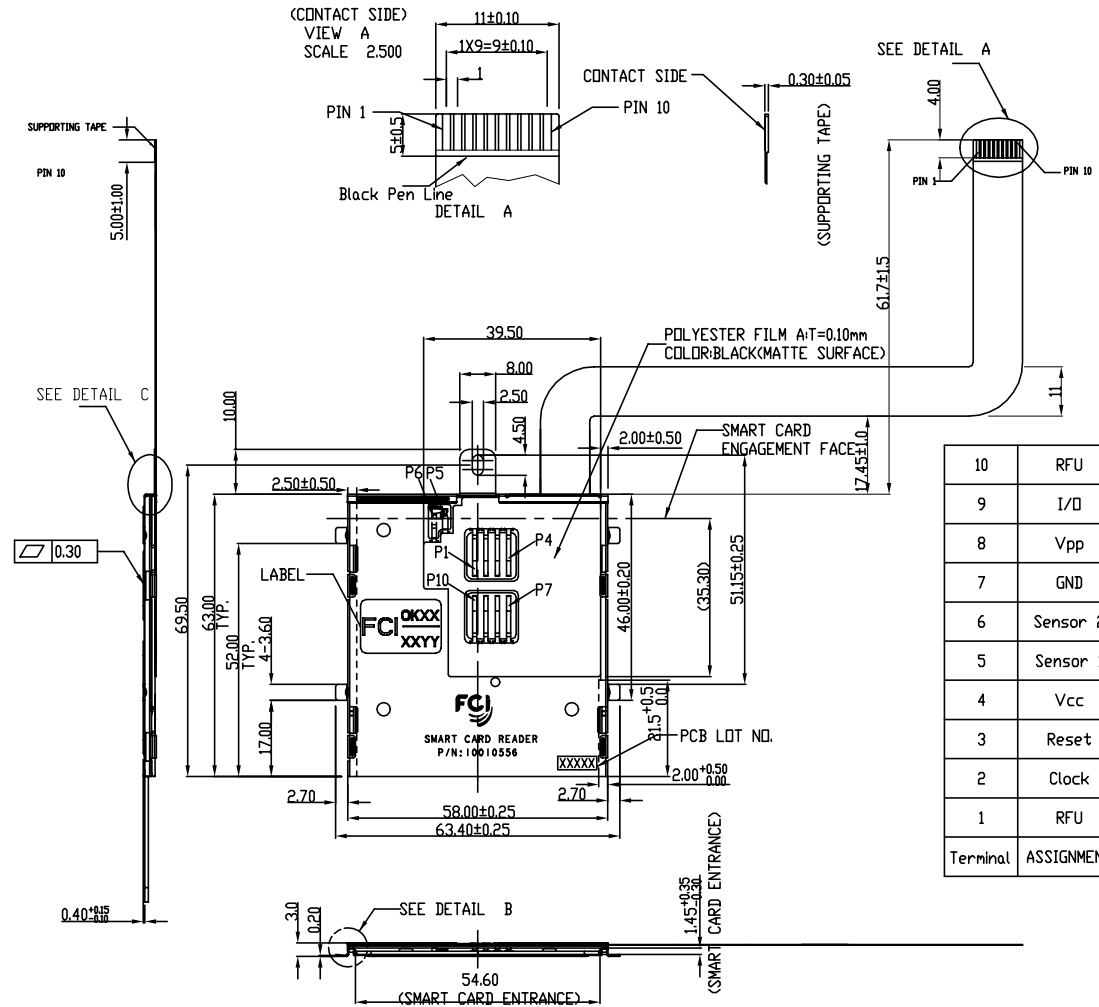
1. Material:

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.

FPC PLATING SPEC AS BELOW:

CONTACT SURFACE: GOLD FLASH.
SOLDER TAIL: TIN PLATING.

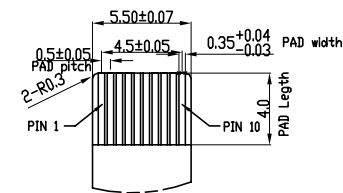
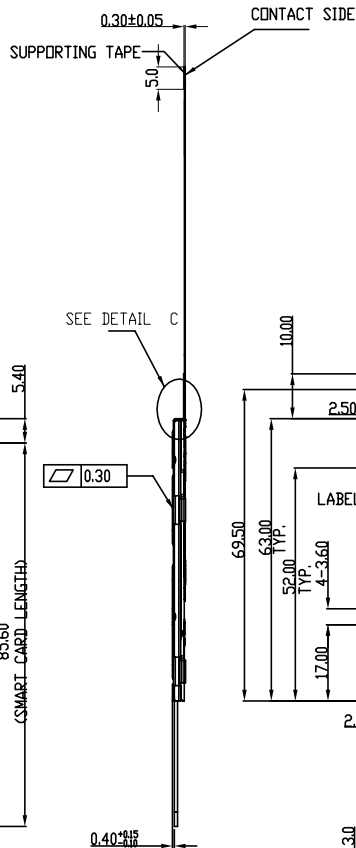
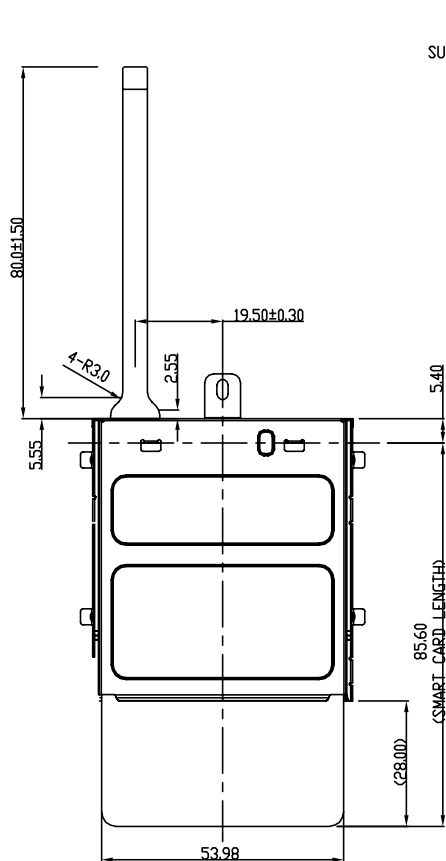
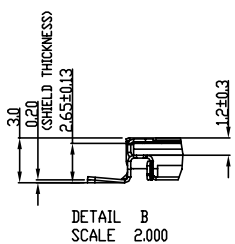
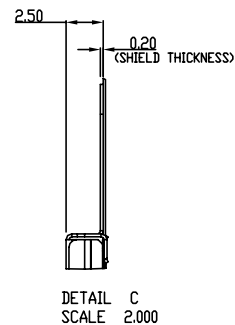
2. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD
3. REFERENCE SPECIFICATION:
PRODUCT SPEC. GS 12-231
PACKING SPEC. GS 14-829
④ THE AREA IS PROHIBITED TO PASTE THE MYLAR AND LABEL.



10	RFU	10
9	I/O	9
8	Vpp	8
7	GND	7
6	Sensor 2	6
5	Sensor 1	5
4	Vcc	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 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		
		0.XXX±0.10	scale NA	
dr	A.JUANG	06/07/02		dwg no
enr	A.JUANG	06/07/02		sheet 14 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	FPC
10010556-014LF	10086571-004



DETAIL A

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

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

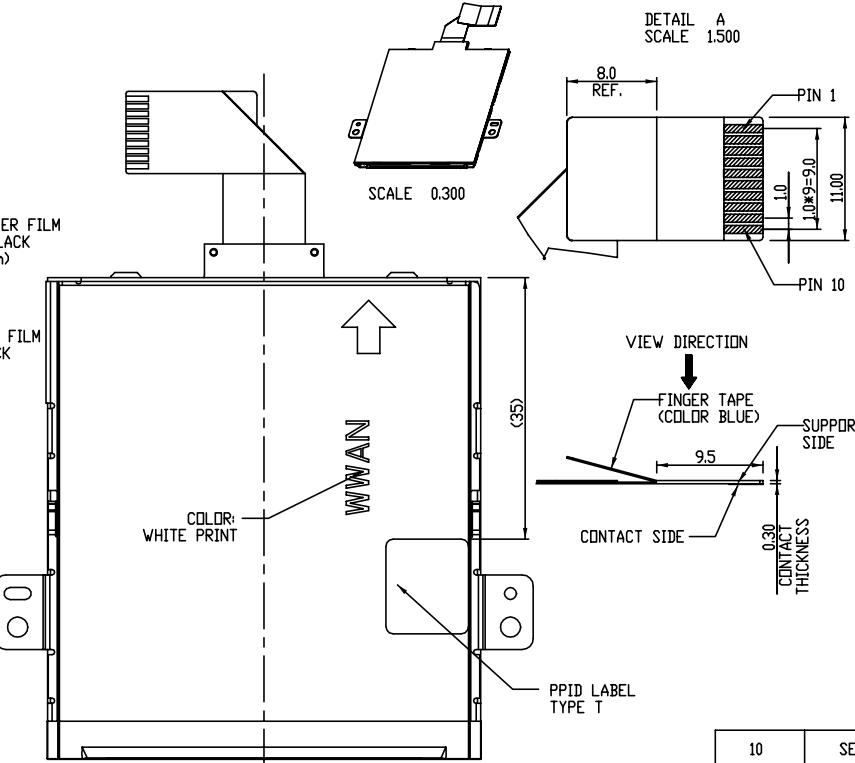
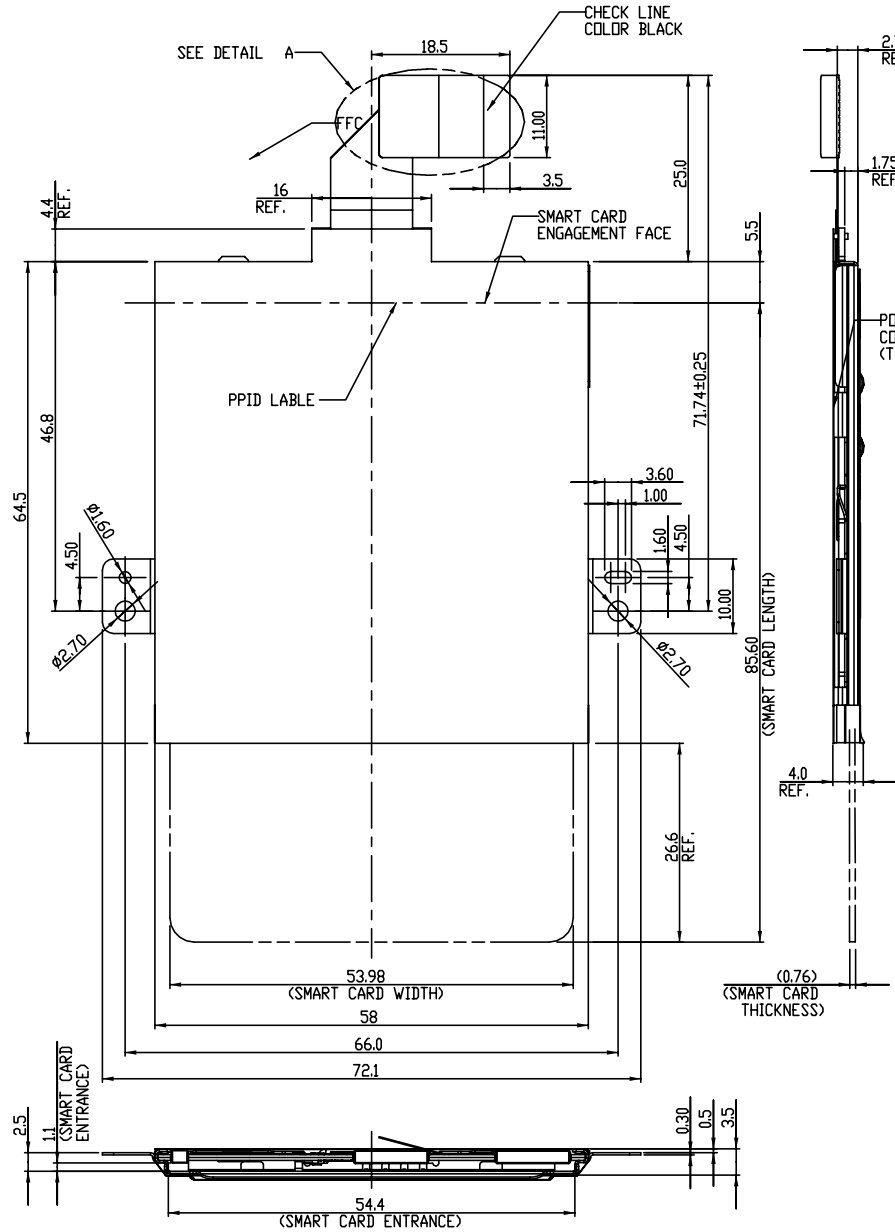
mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1101	95
ltr ecn nodr	date	tolerances unless otherwise specified	linear	title
W		0.X±0.5	MM	SMART CARD READER ASSEMBLY
		0.XX±0.30		
		0.XXX±0.10	scale NA	
dr	A.JUANG	06/07/02		dwg no
enr	A.JUANG	06/07/02		sheet 6 of 21
chr	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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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

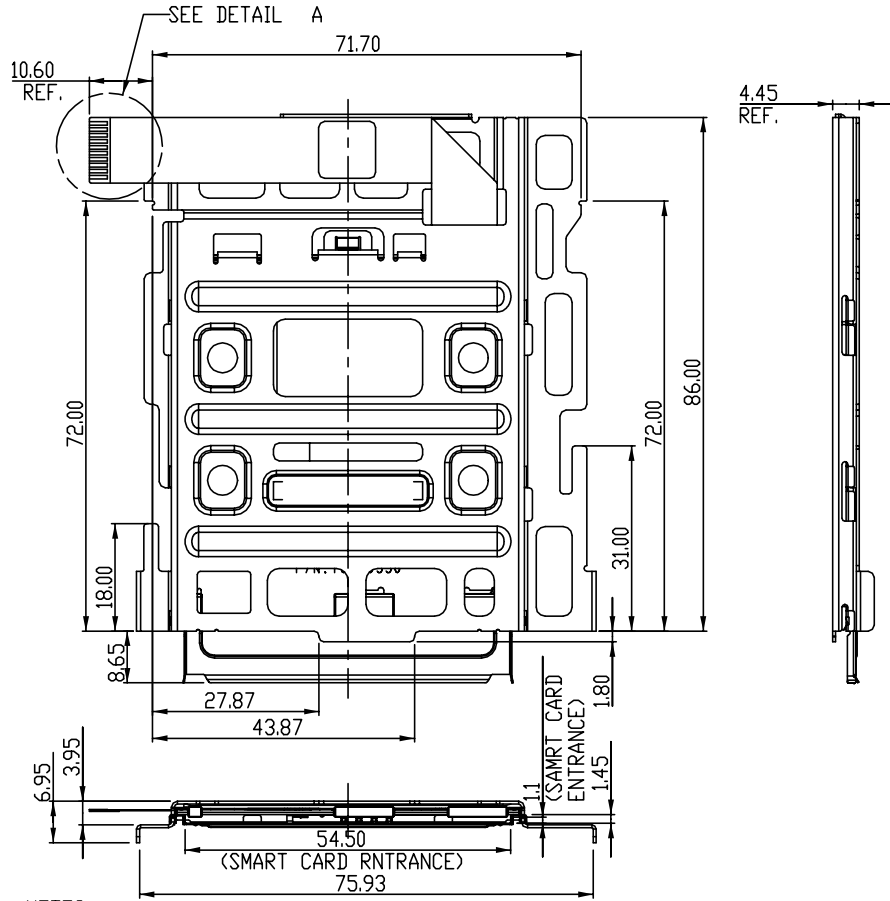
mat'l. code	surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 10	product family 95
ltr ecn nldr date	tolerances unless otherwise specified	linear	MM	title SMART CARD READER ASSEMBLY
W	angles	0.X±0.5 0.XX±0.30 0.XXX±0.10	scale NA	dwg no 10010556
dr	A.JUANG	06/07/02		sheet 7 of 21
enr	A.JUANG	06/07/02		size A3
chr	A.JUANG	06/07/02		
appd	JENN.TSAO	06/07/02		
sheet index	revision sheet			type Product Customer Drawing



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PRODUCT NO.
10010556-016LF



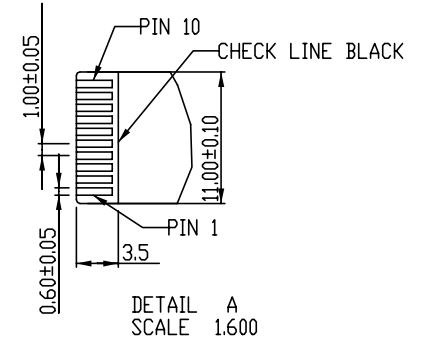
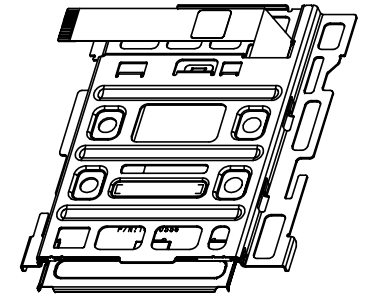
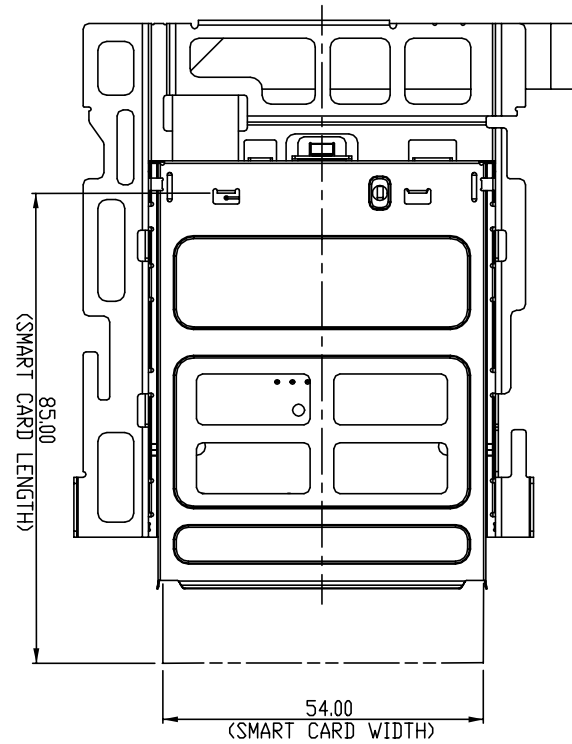
NOTES:

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

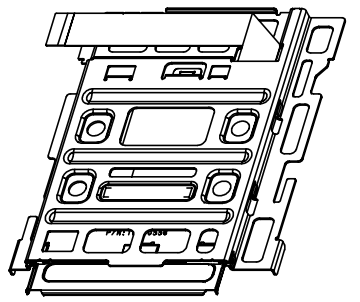
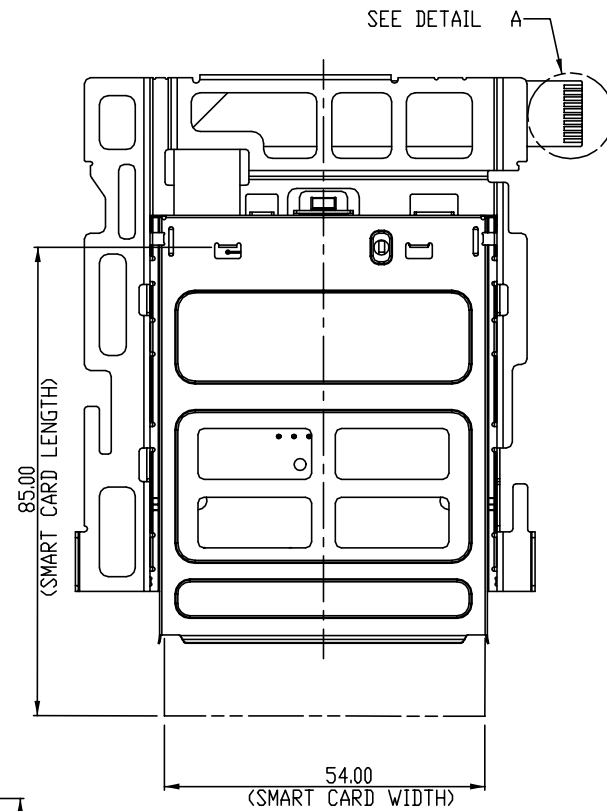
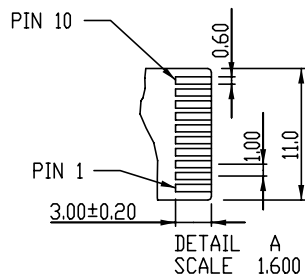
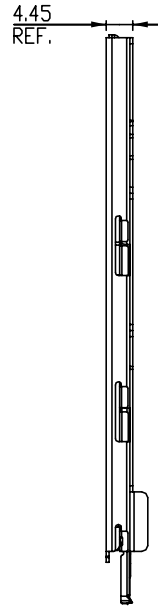
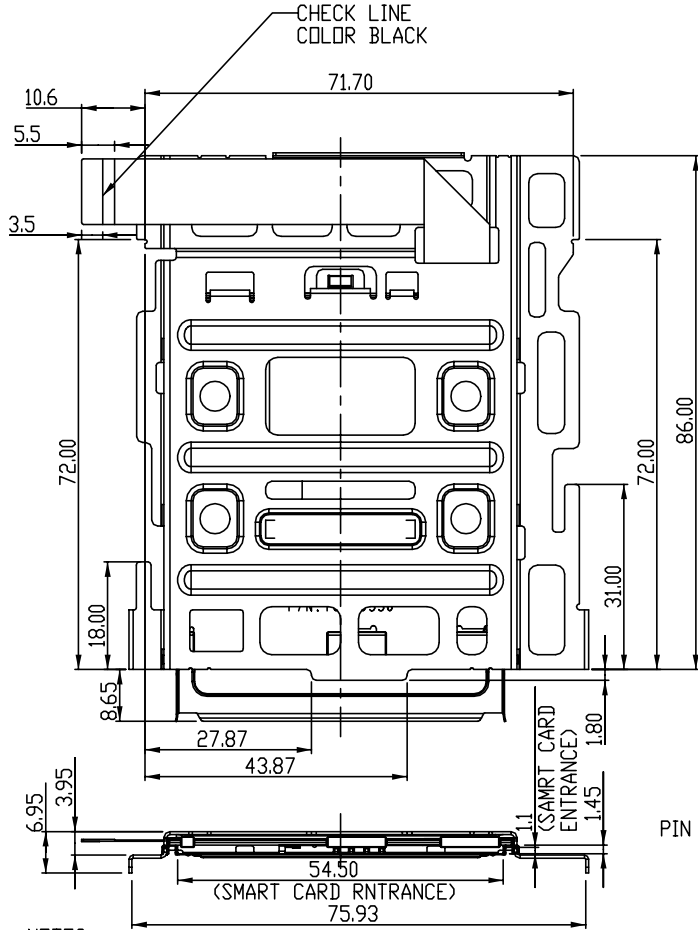
mat'l. code				surface		tolerance		projection		product family	
				ISO 1302 ✓		ISO 406		ISO 1181		95	
l		tr		ec		n		o		d	
r		e		c		n		o		d	
date				tolerances unless otherwise specified				title			
W				angles		linear		MM		SMART CARD READER	
				0.X±0.5						ASSEMBLY	
				0.XX±0.30							
				0±2°		0.XXX±0.10		scale NA			
				dr		A.JUANG		06/07/02		dwg no	
				enr		A.JUANG		06/07/02		sheet 8 of 21	
				chr		A.JUANG		06/07/02		10010556	
				appd		JENN.TSAO		06/07/02		type Product Customer Drawing	
sheet		revision									
index		sheet									



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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	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1101	95
ltr ecn nldr 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 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.

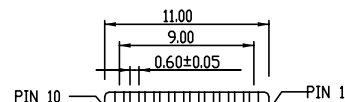
SOLDER TAIL: TIN PLATING.

2. CARD DETECTION SWITCH NORMALLY OPEN WITHOUT MATING CARD

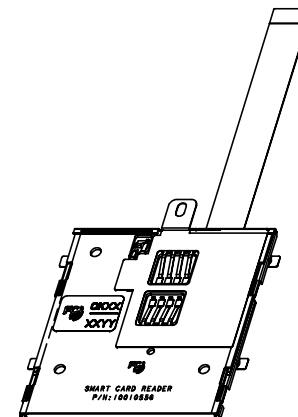
3. REFERENCE SPECIFICATION:

PRODUCT SPEC. GS 12-231

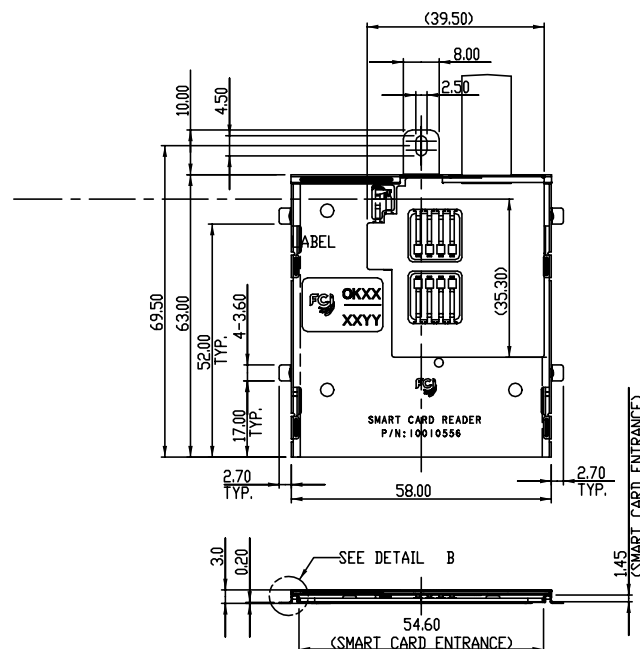
PACKING SPEC. GS 14-829



DETAIL A
SCALE 2.000



SMART CARD READER
P/N: 10010556



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

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

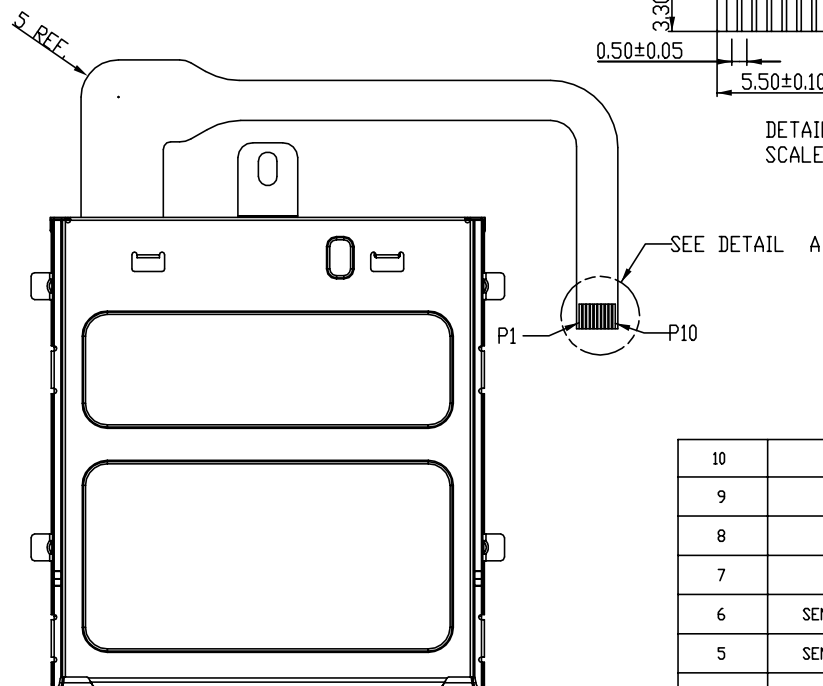
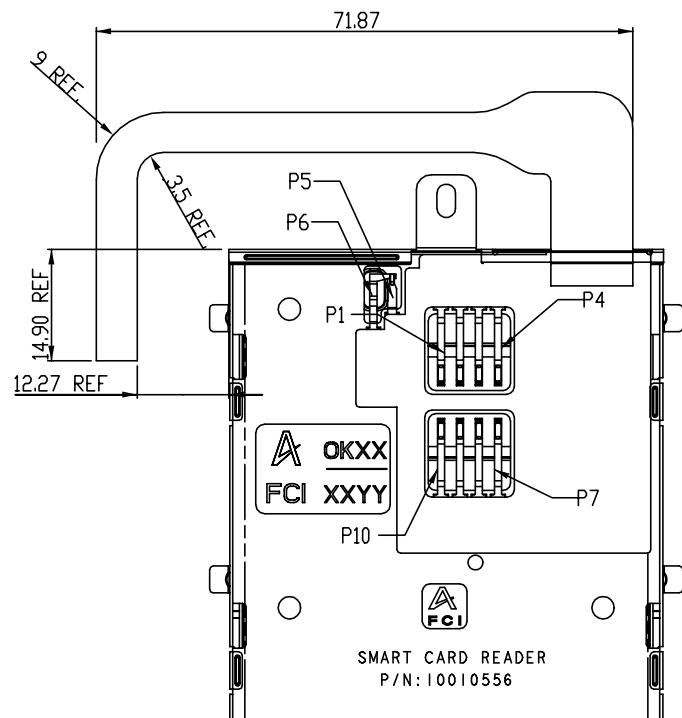
3. REFERENCE SPECIFICATION:

PRODUCT SPEC. GS 12-231

PACKING SPEC. GS 14-829

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	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 10010556 type Product Customer Drawing
		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



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 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			

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

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Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

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moschip.ru_6

moschip.ru_9