

ZPXK2.E493914

Wiring, Printed - Flexible Material Constructions - Component

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Wiring, Printed - Flexible Material Constructions - Component

See General Information for Wiring, Printed - Flexible Material Constructions - Component

REAL TIME FOCUS TECHNOLOGY CORP

33 JINGJIAN 3RD RD GUANYIN HSIANG TAOYUAN HSIEN, 328 TAIWAN

	Cond	Width			Max			Max			
		Min	Cond	SS/	Area	Sol	der	Oper		Meets	С
	Min	Edge	Thk	DS/	Diam	Lin	nits	Temp	Flame	UL796	т
Туре	mm(in)	mm(in)	mic(mil)	DSO	mm(in)	с	sec	с	Class	DSR	I
Single laye	er Flexible Ma	Flexible Materials Interconnect Constructions with Flammability Classification Only.									
FPC-01	-	-	-	DS	-	280	10	-	V-0	-	-

Marking: Company name or tradename "RTF" or file number and type designation. May be followed by a suffix to denote factory identification or burning test classification.

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File E493914 Project 4788065422

September 5, 2017

REPORT

On

COMPONENT - Wiring, Printed

REAL TIME FOCUS TECHNOLOGY CORP., Taoyuan City 328, Taiwan

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		Pa	attern Limi	ts							
		(A) Min.	(B) Max.	(C) Min.	Solder	Solder Limits Maximum Operating		UL 94			
Τyj	pe	(A) Mill. Width (mm)	Area Diameter (mm)	Edge Width (mm)	Temp. (°C)	Dwell Time (sec.)	Temp. (°C)	Flamm. Class.			
FPC	-01	00	00	00	280	10	00	V-0			

TABLE IA - PARAMETER PROFILE INDICES

TABLE LEGEND:

%% - Not established for Flammability Classification Only Types.

TABLE Ib - SILVER CONDUCTOR LIMITATIONS

Туре	Silver Conductors Present (Yes) or (No)	Minimum Spacing Between Adjacent Silver Conductors Of Different Potential (mm)	Maximum Voltage Withstood Between Silver Conductors (V dc)
FPC-01	No	Not Determined	Not Determined

Note: Reference to silver conductors infers silver conductors and silver plated conductors, for purposes of this report, unless otherwise indicated.

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BASE MATERIALS

TABLE]	IIa -	BASE	MATERIALS	(FILM	WITH	INTEGRAL	ADHESIVE)	
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	## Film						Adhe	sive		Сор	per		
Туре	+ Mfr	Grade	Generic type	Min Thk (mic)	Max Thk (mic)	+ Mfr	Grade	Min Thk (mic)	Max Thk (mic)	Min Thk (mic)	Max Thk (mic)	\$ SS/DS	Mfg Process
										010	olo		
	Not applicable, reserved for future use.												

TABLE LEGEND:

- ## Recognized Component Plastic (QMFZ2); film received without integral adhesive or clad-conductor.
- + Manufacturers Name (UL File #) -
- \$ SS: Single-Sided (Only); DS: Double-Sided or Single-Sided
- %% Not established for Flammability Classification Only Types.

TABLE IIb - BASE MATERIALS (FILM WITH INDEPENDENT ADHESIVE AND COPPER)

	## Film						Adhe	sive		Сор	per		
Туре	+ Mfr	Grade	Generic type	Min Thk (mic)	Max Thk (mic)	+ Mfr	Grade	Min Thk (mic)	Max Thk (mic)	Min Thk (mic)	Max Thk (mic)	\$ SS/DS	Mfg Process
	Not applicable, reserved for future use.												

TABLE LEGEND:

- ## Recognized Component Plastic (QMFZ2); film received without integral adhesive or clad-conductor.
- + Manufacturers Name (UL File #) -
- \$ SS: Single-Sided (Only); DS: Double-Sided or Single-Sided
- %% Not established for Flammability Classification Only Types.

BASE MATERIALS - continued

TABLE IIC - BASE MATERIALS (ADHESIVELESS - INTEGRAL FILM/COPPER)

	# Base Material									
Type + Mfr					Copper I	Mfg				
	+ Mfr	Grade Designation	Generic Type	Min Thk (mic)	Max Thk (mic)	\$ SS/DS	Min (mic)	Max (mic)	Process	
FPC-01	TA	2FP-F	PI	25	50	DS	00	୍ଚତ	A	
	TH	Thinflex-A	PI	25	50	DS	00	00	A	

TABLE LEGEND:

- Recognized Component Industrial Laminates (QMTS2); received as integral film/adhesive/copper systems, # unless otherwise indicated.
- TA: TAIFLEX (E193078); THINFLEX (E219724) + -
- SS: Single-Sided (Only); DS: Double-Sided or Single-Sided \$ -
- %% Not established for Flammability Classification Only Types.

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COVER LAYER

TABLE IIIa - COVER FILM (FILM WITH INTEGRAL ADHESIVE ON ONE SIDE)

				То В	e Used With					
Type				Film	Adhe	sive	Bas	e Material	Mfg	
туре	+ Mfr	Grade	Generic	Min Thk	Max Thk	Min Thk	Max Thk	+	Grade	Process
	11111		Туре	(mic)	(mic)	(mic)	(mic)	Mfr	Grade	
FPC-01	TA	FHT	PI	25	50	15	25	See	Table IIc	A
	TH	Thinflex-Q	PI	25	25	12.5	25	See	Table IIc	A

TABLE LEGEND:

-Recognized Component - Industrial Laminates (QMTS2); received as integral film/adhesive system.

+ - TA: TAIFLEX (E193078); THINFLEX (E219724)

\$ - SS: Single-Sided (Only); DS: Double-Sided or Single-Sided

TABLE IIIb - COVER FILM (FILM WITH INDEPENDENT ADHESIVE)

	Film ##						Adhe	sive			e Used With e Material	
Туре	+		Generic	Thic	kness	+		Thic	kness	+		Mfg Process
	Mfr	Grade	Туре	Min (mic)	Max (mic)	Mfr	Grade	Min (mic)	Max (mic)	Mfr	Grade	1100000
	Not applicable, reserved for future use.											

TABLE LEGEND:

- ## Recognized Component Plastic (QMFZ2); film received without integral adhesive.
- + Manufacturers Name (UL File #) -
- \$ SS: Single-Sided (Only); DS: Double-Sided or Single-Sided

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COVER LAYER - continued

TABLE IIIC - COVER COAT (COATING FOR USE ON FLEXIBLE BASE MATERIAL)

		Cover (Coat		To Be Us	sed With Base	То Ве	Mfg Process		
Туре	+ Mfr	Grade	Thic	kness	Ma	aterial	Cov			
			Min (mic)	Max (mic)	+ Mfr	Grade	+ Mfr	Grade	FIOCESS	
Not applicable, reserved for future use.										

TABLE LEGEND:

- + Manufacturers Name (UL File #) -
- \$ SS: Single-Sided (Only); DS: Double-Sided or Single-Sided

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		Adhes	ive		Stiffener				To Be Used With Base Material		To Be Used With Cover Layer		Mfq
Туре	+ Mfr	Grade	Min Thk (mm)	Max Thk (mm)	+ Mfr	Grade	Min Thk (mic)	Max Thk (mic)	+ Mfr	Grade	+ Mfr	Grade	Process
FPC-01	System Component Symbol and Size Class Number Required.									A			

TABLE IV - STIFFENER AND STIFFENER ADHESIVE MATERIALS

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TABLE LEGEND:

+ - Manufacturers Name (UL File #) -

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			EMI Sh	ieldir	То Ве	Used With	To Be Used						
Туре	Туре	+ Mfr	Grade	\$ SS/ DS	Film		Adhesive		Base Material		With Cover Layer		Mfg
					Min Thk (mic)	Max Thk (mic)	Min Thk (mic)	Max Thk (mic)	+ Mfr	Grade	+ Mfr	Grade	Process
	Not applicable, reserved for future use.												

TABLE V - EMI SHIELDING MATERIALS ON FLEX MATERIALS

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TABLE LEGEND:

+ -

\$ - SS: Single-Sided (Only); DS: Double-Sided or Single-Sided (See FIGURES for detail EMI Shielding Film Applicable Constructions.)

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Figure 1 - Type FPC-01

	Stiffener Adhesive Stiffener@
Coverlay (Table IIIa)	
Coverlay Adhesive	
Copper	
Base Film (Table IIc)	
Copper	
Coverlay Adhesive	
Coverlay (Table IIIa)	
Stiffener Adhesive Stiffener@	

Notes:	
Ø	SCS/SCN MUST be used when Stiffener/Stiffener Adhesive used in construction
1	For type FPC-01, the coverlay MUST be entirely cover the board surface except PTH and contact finger area.