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**APPENDIX A3.2.3-5**

**CONTACT PCBA SCHEMATICS AND LAYOUT (ASM.000122.RD R6)**

**Confidentiality Statement**

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*Confidentiality Statement: Data and information contained in this document are considered to constitute trade secrets and confidential commercial information, and the legal protections provided to such trade secrets and confidential information are hereby claimed under the applicable provisions of United States law. No part of this document may be publicly disclosed without the written consent of Philip Morris International.*

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## Table of Contents

ASM.000122.RD R6 – SCHEMATICS .....	3
ASM.000122.RD R6 – BILL OF MATERIAL .....	4
PCB.000187.RD R1 – COMPONENTS PLACEMENT .....	5
PCB.000187.RD R1 – PCB SPECIFICATION .....	6
PCB.000187.RD R1 – PCB LAYOUT .....	9

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1

2

3

4

(b) (4)

A

A

B

B

C

C

D

D

Title				FPD 4.3 Contact PCB	
Size	Number			Revision	6
A4	ASM.000122.RD				
Date:	6/22/2017		Sheet1 of 1		
File:	C:\Users\ \ASM 000122 RD R6 SchDoc		Drawn By:		

1

2

3

4

**ASM.000122.RD Rev6****Assembly F43C1 Contact PCB**

Level	Product Code	Product Type	Description	Rev	Designator	Qty
0	ASM.000122.RD	Assembly	Assembly F43C1 Contact PCB	6		1
. 1	CAP.000010.RD	Capacitor	Capacitor 10nF 16V 10% X7R 0402	1	C201,C204	2
. 1	CAP.000019.RD	Capacitor	Capacitor 100pF 50V 5% C0G 0402	1	C202,C203	2
. 1	DIO.000001.RD	Diode	Diode PESD3V3 ESD Protection 3.3V 15A Vd=1 SOD-882	1	D201,D202,D203	3
. 1	PCB.000187	PCB	PCB Blank 185x76mm Contact 60x	1		1
. 1	RES.000041.RD	Resistor	Resistor 10kW 5% 0.063W 100ppm/K 0402	2	R203,R204	2
. 1	RES.000063.RD	Resistor	Resistor 47Ω 5% 0.063W 100ppm/K 0402	1	R201	1
. 1	RES.000064.RD	Resistor	Resistor 1MΩ 5% 0.063W 100ppm/K 0402	1	R202	1
. 1	RES.000065.RD	Resistor	Resistor 1kΩ 5% 0.063W 100ppm/K 0402	1	R205	1
. 1	TR.000006.RD	Transistor	Transistor DMP1022UFDE MOS - P 12V 10A 2 x 2	1	Q201	1
. 1	IC.000019.RD	Integrated Circuit	IC OPA369AIDCK SC-70-5, 6-TSSOP (5 Lead), SC-88A, SOT-353	1	U201	1

(b) (4)



**POSITION:**

**TOP ASSY**

PCB.000187\_R1  
TOP OVERLAY

## PCB specification – PCB.000187\_R1

### General

Material	FR 4 / UL94-0, TG170	Layer count	4
Thickness	1.6 mm (b) (4)	IPC-class	Class 2

### Layer stacking

Position	Specification	Data file
TOP		
(b) (4)		PCB.000187_R1.GM13
		PCB.000187_R1.GTS
		-
		PCB.000187_R1.GTL
		-
		PCB.000187_R1.G1
		-
		PCB.000187_R1.G2
		-
		PCB.000187_R1.GBL
		-
		PCB.000187_R1.GBS
BOTTOM		

## PCB specification – PCB.000187\_R1

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### Requirements

Holes plating

(b) (4)



Tolerances

(b) (4)



Test

(b) (4)



## PCB specification – PCB.000187\_R1

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### Additional instructions

V-cut specification	PCB.000187_R1.GM4
Dimensional accuracy	(b) (4)
Special instructions	

(b) (4)



PCB.000187\_R1  
TOP LAYER

(b) (4)



Position: **2**

PCB.000187\_R1  
MID LAYER 1

(b) (4)



Position: **3**

PCB.000187\_R1  
MID LAYER 2

(b) (4)



Position: 4

PCB.000187\_R1  
BOT LAYER

(b) (4)



PCB.000187\_R1  
TOP SOLDER MASK

(b) (4)



PCB.000187\_R1  
BOT SOLDER MASK

(b) (4)



**Position:**

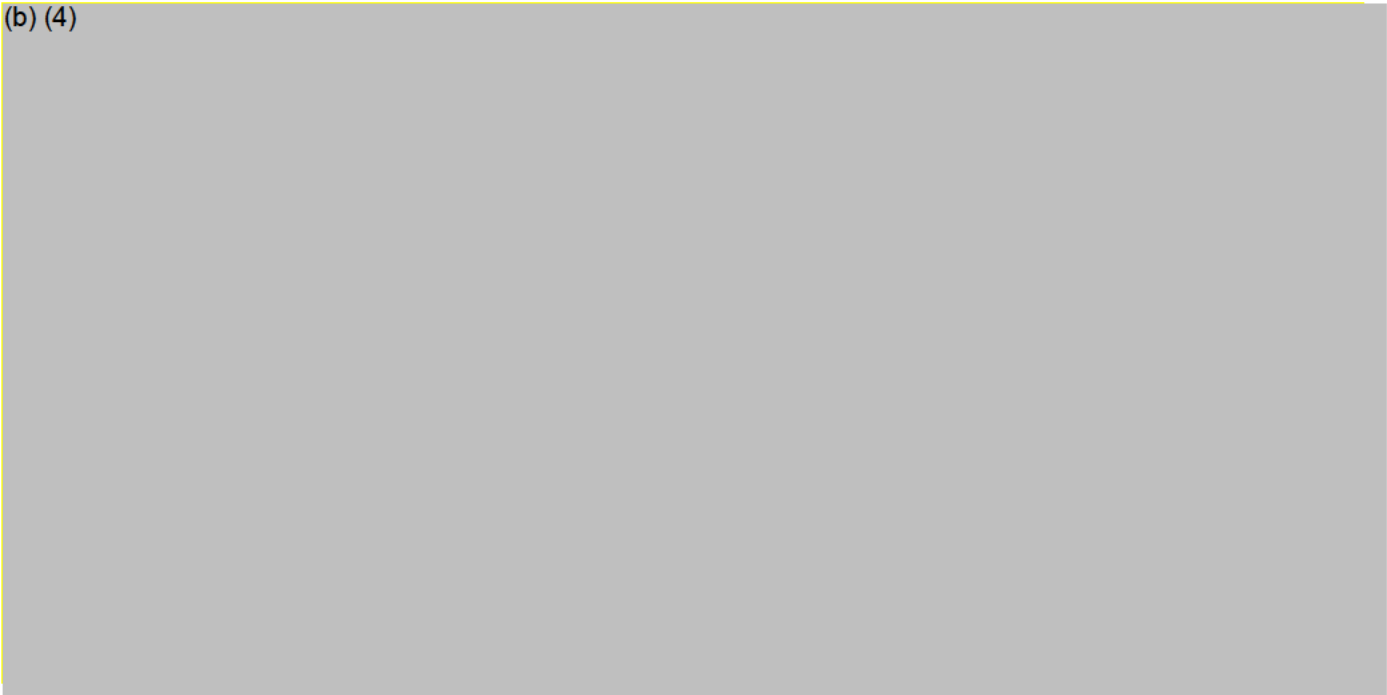
PCB.000187\_R1  
TOP PASTE MASK

(b) (4)



**Position:**

PCB.000187\_R1  
BOT PASTE MASK



Position:

PCB.000187\_R1  
DRILL DRAWING

Symbol	Hit Count	Tool Size	Plated	Hole Type
(b) (4)				