

TO : Customer

Process Change Notification for Additional Use of Aluminum Moisture Barrier Bag

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Prepared by: M. Abe

Approved by: H. Yajima

Quality Assurance Section
Quality Assurance Department
High Frequency and Optical Device Works
MITSUBISHI ELECTRIC CORPORATION

1. General information of this PCN.

We have used a packing material, an aluminum moisture barrier bag (BAG), in which we pack the products delivered to customer. We will add a new supplier's products with an equal characteristic from the viewpoint of Business Continuity Planning (BCP), and source a BAG from two suppliers.

2. Part Number

Please refer to parts list.

3. Detailed Information





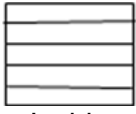
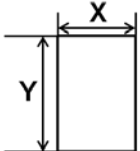
3-1. Manufacturer Name and Location

We will purchase the BAG from two manufacturers, current product manufacturer 3M and the additional product manufacturer DESCO.

	Current Product	Additional Product
Manufacturer Name	3M	DESCO Industries Inc
Location	North Carolina, USA	Massachusetts, USA

3-2. Visual, Lays, Size

There is some difference in the print style, but no differences in the layer structure and the size.

		Current Product	Additional Product
Visual	Whole		
	Printing		
Layers	<p>Outside</p>  <p>Inside</p>	<p><5 layers> Outside: Static Disspative Polyester Alumine Shield Polyester Aluminum Shield Inside: Static Disspative Polyester</p>	<p><5 layers> Outside: Static Disspative Polyester Alumine Shield Polyester Aluminum Shield Inside: Static Disspative Polyester</p>
Size		X x Y: 3x5 inch	X x Y: 3x5 inch

3-3. Characteristic Comparison

In all characteristics, the performance of the both products is equivalent.

Evaluation item			Current Product (3M)	Additional Product (DESCO)
Characteristic	Unit	Specification		
Thickness	μm	-	91.4	88.9
Moisture Vapor Transmission Rate	g/100 sq.in. /24 hrs	ASTM 1249	< 0.02	< 0.02
Puncture Resistance	lbs	MIL-STD-3010, test method 2065	> 20	> 20
Surface Resistance	ohms	ANSI/ESD STM11.11	inside < 10 ¹¹ outside < 10 ¹¹	inside < 10 ¹¹ outside < 10 ¹¹
Static Electric Shield	V	EIA 541	20	< 20
Hermeticity Seal Peeling Strength	kg/mm	ASTM D1876-93	0.375	0.430

4. Schedule

This application will start in end of July, 2014, but it depends on each product situation. Please note that both BAG of 3M and DESCO are used as the same, and they may be mixed up.

PART LIST

PART #
MGFC4351S-01
MGFC4419S-01
MGFC4453S-01
MGFC4351S-SL
MGFC4453S-SL
MGFC4453A-A03
MGFC4453A-A13
MGFC4453S-11
MGF0951P-03
MGF0952P-03
MGF0953P-03
MGFC42V5258S-31
MGFC42V5258S-32
MGF2430S-31