

PCN – Process Change Notification

Change:	FXP70.07.0053A
Date:	2016/08/22
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Affected Products

Model#	Part Number	Changes
FXP70 Antenna Assembly 53mm 1.13 IPEX MHF1	FXP70.07.0053A	Amend connector tolerance from $\pm 0.3\text{mm}$ to $\pm 0.5\text{mm}$.
		Add cutting line.
		Amend FPCB tolerance from $\pm 0.3\text{mm}$ to 0.2mm .
		Amend FPCB thickness from 0.1mm to 0.24mm .
		Modify inspection frequency and VSWR value.

Type of Change

Hardware Modification

Production Process Advance

Others – FPCB Tolerance 、 add cutting line 、 modify inspection limitation.

Description of Change

1. Amend connector tolerance from $\pm 0.3\text{mm}$ to $\pm 0.5\text{mm}$.
2. Add cutting line.
3. Amend FPCB tolerance from $\pm 0.3\text{mm}$ to 0.2mm .
4. Amend FPCB thickness from 0.1mm to 0.24mm .
5. Our original free space was incorrect. Therefore, we tested samples and then modified frequency and value according to test result to let the measurement more accurate.

Schedule

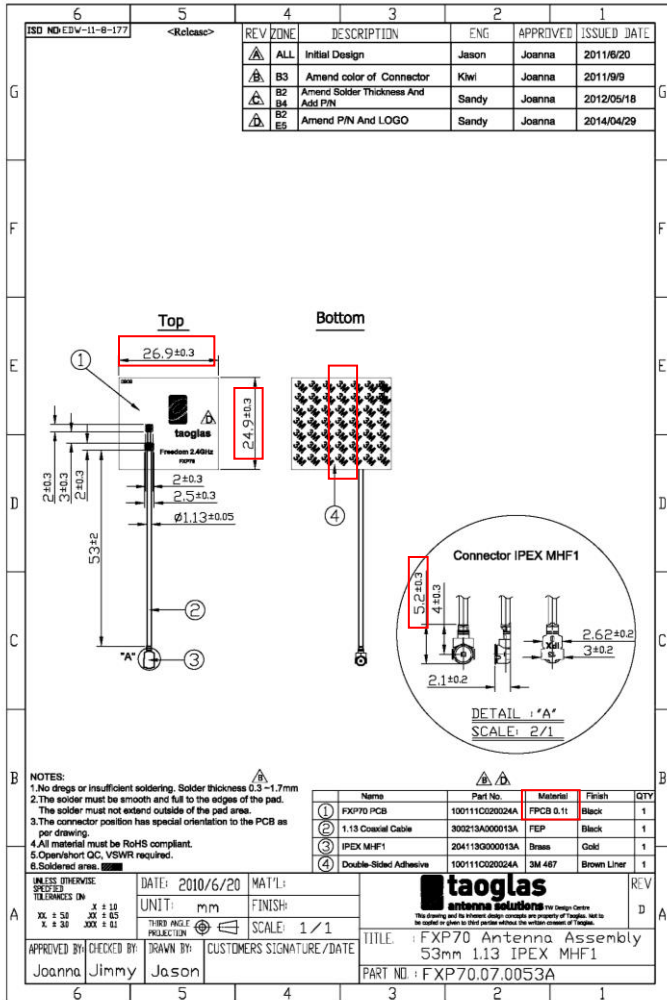
2016, August, Taoglas will input this new packaging rules into production.

Forecast Estimated Transition Date

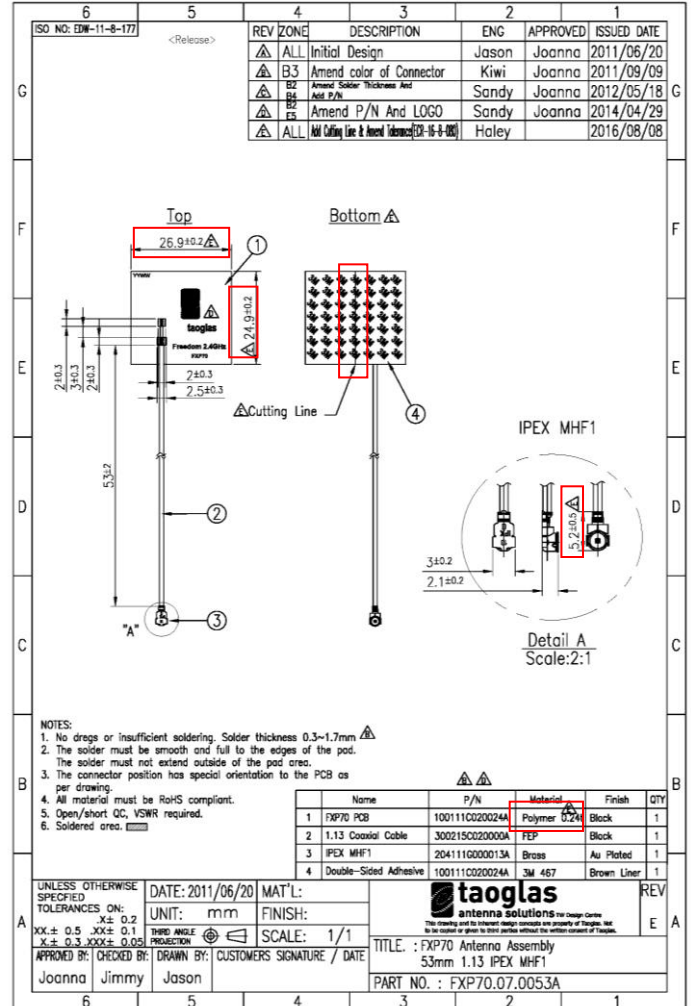
Aug/2016

Illustration of Change

Old drawing



New drawing



Old frequency and VSWR value

	2750MHz	2850MHz
SWR	<2.0	<2.2

	2750MHz	2850MHz
Sample1	1.28	1.61
Sample2	1.12	1.74
Sample3	1.12	1.62
Sample4	1.06	1.76
Sample5	1.13	1.65

New frequency and VSWR value

	2650MHz	2700MHz	2750MHz
SWR	<2.2	<2	<2

	2650MHz	2700MHz	2750MHz
Sample1	1.31	1.08	1.42
Sample2	1.27	1.14	1.48
Sample3	1.26	1.22	1.50
Sample4	1.03	1.34	1.72
Sample5	1.35	1.04	1.36