

FDI	ENGINEERING CHANGE ORDER	ECO NO: 17-021
		Page 1 of 1
ASSEMBLY PN	CURRENT REV	NEW REV
SYG-70CP-BA	1.2	1.3

OVERVIEW OF THE CHANGE:

- Remove the large super capacitor (C108) since it is not needed to support the 1.0A max current draw of the Xbee Digi Verizon Cellular module or any other Xbee module currently targeted for use in this product. This change will reduce the time needed for a full power down of all onboard devices when power is removed from the unit. The Xbee socket is only rated for a 1.0A current draw, so no compatible Xbee modules are expected to need the super capacitor.

DESCRIPTION OF CHANGE:

1. Remove or DNL C108

REWORK INSTRUCTIONS:

1. Remove C108 (Located in corner of PCB next to U21 XBEE socket)
2. Clean PCB if necessary

REVISION INFORMATION

Sub-Assembly	Current Rev	New Rev
Hardware Signoff	1.0	1.0
Schematic\BOM	1.0	1.1
PCB	1.0	1.0
Software Checklist	1.1	1.1
TO136	1.0	1.0
FCT SW (increase BA Rev ONLY when change affects – BA)	1.1	1.1
OOB Demo	1.0	1.0
SD Card Image	None	None

Reason for change: 1. Remove super-cap as it is not needed and can cause issues or delays at power down		Disposition/Affectivity	
		Use as is	
		Rework to ECO	X
		Scrap & Rebuild	
		Record Change Only	
Prepared by:	BF	Date:	07/27/2017
Approved by:	TE	Date:	08/01/2017
Approved by:		Date:	
Approved by:		Date:	
Approved by:	TD	Date:	08/02/2017