

Product Change Notice

QD4-099 Rev.A0

PCN Note Date: 11/15/2021

Date Effective: Active by new sales order from December , 2021.

Reason for change:

Because of Microchip HSIC USB hub controller USB4604-1080HN-TR and CPLD FOR MAX V devices(Altera.5M160ZM100C5N) material shortage, UP board series will have new version(B10) which will be implemented with different manufacturer's CPLD and USB hub IC and keeps the same function.

Product(s) Affected:

Note: A11 & B10 version will be in the system in parallel

A11 Part number	B10 Part number
UP-CHT01-A20-0116-A11	UP-CHT01-A20-0116-B10
UP-CHT01-A20-0216-A11	UP-CHT01-A20-0216-B10
UP-CHT01-A20-0232-A11	UP-CHT01-A20-0232-B10
UP-CHT01-A20-0432-A11	UP-CHT01-A20-0432-B10
UP-CHT01-A20-0464-A11	UP-CHT01-A20-0464-B10
UP-CHT01-A22-0216-A11	UP-CHT01-A22-0216-B10
UP-CHT01-A22-0232-A11	UP-CHT01-A22-0232-B10
UP-CHT01-A22-0432-A11	UP-CHT01-A22-0432-B10
UP-GWS01-A20-0216-A11	UP-GWS01-A20-0216-B10
UP-GWS01-A20-0232-A11	UP-GWS01-A20-0232-B10
UP-GWS01-A20-0432-A11	UP-GWS01-A20-0432-B10
UP-GWS01-A20-0464-A11	UP-GWS01-A20-0464-B10
UP-GWS01-A20-1432-A11	UP-GWS01-A20-1432-B10
UP-GWS01-A20-0216-A11	UP-GWS01-A20-0216-B10

Change Details:

Item	A11 Version P/N	B10 Version P/N
CPLD	Aaeon # 14825M1600 Altera.5M160ZM100C5N	Aaeon # 148X000015 LATTICE. LCMXO2-640HC-6MG132C
USB Hub IC	Aaeon # 1490046041 Microchip.USB4604-1080HN-TR	Aaeon # 14202514B0 SMSC.USB2514B-AEZC

Benefits Impacts: change to new part to prevent material shortage

Pre-Change	Post-Change
1. Altera.5M160ZM100C5N 2. Microchip.USB4604-1080HN-TR 3.PCB A1.1	1. LATTICE. LCMXO2-640HC-6MG132C 2. SMSC.USB2514B-AEZC 3. PCB B1.0
Issue Date	Nov 15, 2021
Issue by	Kris Lin



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