

# Product Change Notice



<b>PCN #:</b> PCNE21092701000	<b>Ver. 1.0</b>	<b>Issue Date:</b> 2021/09/27
<b>Type of Change:</b> Product Design Change		
<b>Detailed Description of Change:</b>		
<p>ATP hereby gives product design change notification for ATP Superior Line SSD A600S series TLC SSD including 2.5" SSD/M.2 2242/M.2 2280/mSATA.</p> <p>Novatek (ATP's power management IC supplier) abruptly and without notice discontinued their power management IC (PMIC) related product line. ATP's superior line SATAIII TLC SSDs are impacted by the discontinuation of PMIC NT50960/S.</p>		
<b>Quality Spec Change:</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
<b>Function Spec Change:</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
<b>Reliability Spec Change:</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
<b>Reason for Change:</b>		
<p>There is no pin-to-pin compatible PMIC that could be implemented as the successor for NT50960/S. Therefore, the PCB design adjustment is needed for on-board footprint modification for new PMIC.</p>		
<b>Products Affected &amp; Replacements:</b>		
<p>1. The affected P/Ns are listed in the PCN for your reference.</p> <p>2. The product comparison listed as below.</p>		
	<b>Current Design</b>	<b>New Design</b>
PCB	-	New
PMIC	Novatek NT50960/S	MPS MP5505A
PLP Cap	Yes	Yes, same as current design
Data recovery	In-flight data + Data-at-Rest	In-flight data + Data-at-Rest
<b>Method to Distinguish Change:</b>		
<p>New part numbers are assigned to differentiate between current and new product versions.</p>		
<b>Implementation Date:</b> 2021/09/30		
<b>Forecasted Milestones:</b>		
	<b>Milestone</b>	<b>Schedule</b>
	Qualification Samples	Oct/15, 2021
<b>Recommended Action:</b>		
<p>ATP suggests that a minimum re-qualification be required, especially with old PNs that previously adopted Micron 64L 3D TLC NAND.</p>		

# Product Change Notice



## Affected Product P/N List

Form Factor	Description	Affected PNs (Micron NAND B16A with old PMIC)	Micron NAND B16A with new PMIC
2.5" SSD	120GB, TLC SSD	AF120GSTCJ-7BAIP AF120GSTCJ-7BAXP	AF120GSTCJ-7BEIP AF120GSTCJ-7BEXP
	240GB, TLC SSD	AF240GSTCJ-7BAIP AF240GSTCJ-7BAXP	AF240GSTCJ-7BEIP AF240GSTCJ-7BEXP
	480GB, TLC SSD	AF480GSTCJ-7BAIP AF480GSTCJ-7BAXP	AF480GSTCJ-7BEIP AF480GSTCJ-7BEXP
	960GB, TLC SSD	AF960GSTCJ-7BAIP AF960GSTCJ-7BAXP	AF960GSTCJ-7BEIP AF960GSTCJ-7BEXP
	1920GB, TLC SSD	AF1T92STCJ-7BAIP AF1T92STCJ-7BAXP	AF1T92STCJ-7BEIP AF1T92STCJ-7BEXP
	120GB, TLC SED SSD	AF120GSTCJ-7BBIP AF120GSTCJ-7BBXP	AF120GSTCJ-7BFIP AF120GSTCJ-7BFXP
	240GB, TLC SED SSD	AF240GSTCJ-7BBIP AF240GSTCJ-7BBXP	AF240GSTCJ-7BFIP AF240GSTCJ-7BFXP
	480GB, TLC SED SSD	AF480GSTCJ-7BBIP AF480GSTCJ-7BBXP	AF480GSTCJ-7BFIP AF480GSTCJ-7BFXP
	960GB, TLC SED SSD	AF960GSTCJ-7BBIP AF960GSTCJ-7BBXP	AF960GSTCJ-7BFIP AF960GSTCJ-7BFXP
	1920GB, TLC SED SSD	AF1T92STCJ-7BBIP AF1T92STCJ-7BBXP	AF1T92STCJ-7BFIP AF1T92STCJ-7BFXP
	80GB, pSLC SSD	AF80GSACJ-7BAIP	AF80GSACJ-7BCIP
	160GB, pSLC SSD	AF160GSACJ-7BAIP	AF160GSACJ-7BCIP
	320GB, pSLC SSD	AF320GSACJ-7BAIP	AF320GSACJ-7BCIP
	640GB, pSLC SSD	AF640GSACJ-7BAIP	AF640GSACJ-7BCIP

Form Factor	Description	Affected PNs (Micron NAND B16A with old PMIC)	Micron NAND B16A with new PMIC
M.2 2280	120GB, TLC SSD	AF120GSTIC-7BAIP AF120GSTIC-7BAXP	AF120GSTIC-7BEIP AF120GSTIC-7BEXP
	240GB, TLC SSD	AF240GSTIC-7BAIP AF240GSTIC-7BAXP	AF240GSTIC-7BEIP AF240GSTIC-7BEXP
	480GB, TLC SSD	AF480GSTIC-7BAIP AF480GSTIC-7BAXP	AF480GSTIC-7BEIP AF480GSTIC-7BEXP
	960GB, TLC SSD	AF960GSTIC-7BAIP AF960GSTIC-7BAXP	AF960GSTIC-7BEIP AF960GSTIC-7BEXP
	120GB, TLC SED SSD	AF120GSTIC-7BBIP AF120GSTIC-7BBXP	AF120GSTIC-7BFIP AF120GSTIC-7BFXP
	240GB, TLC SED SSD	AF240GSTIC-7BBIP AF240GSTIC-7BBXP	AF240GSTIC-7BFIP AF240GSTIC-7BFXP
	480GB, TLC SED SSD	AF480GSTIC-7BBIP AF480GSTIC-7BBXP	AF480GSTIC-7BFIP AF480GSTIC-7BFXP
	960GB, TLC SED SSD	AF960GSTIC-7BBIP AF960GSTIC-7BBXP	AF960GSTIC-7BFIP AF960GSTIC-7BFXP
	80GB, pSLC SSD	AF80GSAIC-7BAIP	AF80GSAIC-7BCIP

# Product Change Notice



	160GB, pSLC SSD	AF160GSAIC-7BAIP	AF160GSAIC-7BCIP
	320GB, pSLC SSD	AF320GSAIC-7BAIP	AF320GSAIC-7BCIP
Form Factor	Description	Affected PNs (Micron NAND B16A with old PMIC)	Micron NAND B16A with new PMIC
M.2 2242	120GB, TLC SSD	AF120GSTIA-7BAIP AF120GSTIA-7BAXP	AF120GSTIA-7BEIP AF120GSTIA-7BEXP
	240GB, TLC SSD	AF240GSTIA-7BAIP AF240GSTIA-7BAXP	AF240GSTIA-7BEIP AF240GSTIA-7BEXP
	480GB, TLC SSD	AF480GSTIA-7BAIP AF480GSTIA-7BAXP	AF480GSTIA-7BEIP AF480GSTIA-7BEXP
	120GB, TLC SED SSD	AF120GSTIA-7BBIP AF120GSTIA-7BBXP	AF120GSTIA-7BFIP AF120GSTIA-7BFXP
	240GB, TLC SED SSD	AF240GSTIA-7BBIP AF240GSTIA-7BBXP	AF240GSTIA-7BFIP AF240GSTIA-7BFXP
	480GB, TLC SED SSD	AF480GSTIA-7BBIP AF480GSTIA-7BBXP	AF480GSTIA-7BFIP AF480GSTIA-7BFXP
	80GB, pSLC SSD	AF80GSAIA-7BAIP	AF80GSAIA-7BCIP
	160GB, pSLC SSD	AF160GSAIA-7BAIP	AF160GSAIA-7BCIP
Form Factor	Description	Affected PNs (Micron NAND B16A with old PMIC)	Micron NAND B16A with new PMIC
mSATA	120GB, TLC SSD	AF120GSTHI-7BAIP AF120GSTHI-7BAXP	AF120GSTHI-7BEIP AF120GSTHI-7BEXP
	240GB, TLC SSD	AF240GSTHI-7BAIP AF240GSTHI-7BAXP	AF240GSTHI-7BEIP AF240GSTHI-7BEXP
	480GB, TLC SSD	AF480GSTHI-7BAIP AF480GSTHI-7BAXP	AF480GSTHI-7BEIP AF480GSTHI-7BEXP
	120GB, TLC SED SSD	AF120GSTHI-7BBIP AF120GSTHI-7BBXP	AF120GSTHI-7BFIP AF120GSTHI-7BFXP
	240GB, TLC SED SSD	AF240GSTHI-7BBIP AF240GSTHI-7BBXP	AF240GSTHI-7BFIP AF240GSTHI-7BFXP
	480GB, TLC SED SSD	AF480GSTHI-7BBIP AF480GSTHI-7BBXP	AF480GSTHI-7BFIP AF480GSTHI-7BFXP
	80GB, pSLC SSD	AF80GSAHI-7BAIP	AF80GSAHI-7BCIP
	160GB, pSLC SSD	AF160GSAHI-7BAIP	AF160GSAHI-7BCIP

Should you have any issues with the timeline or content of this change, please contact ATP representative **within 20 days**. No response will be deemed as customer's acceptance of the change and the change will be implemented pursuant to the milestones set forth in this PCN.