

01 November 2013

## Re: ST Product Portfolio Changes Update

Dear Customer

Following on from the announcement made on the 20<sup>th</sup> August 2013, we would like to clarify the current situation from ST regarding the availability on concerned commodity products.

To summarise, below is a breakdown of the two product families affected: Logic and Analog.

### Logic

All Logic products production will be phased out except for Automotive Grade and Space versions. ST will continue to produce Logic during 2014 in order to allow customers to migrate smoothly to another source. There is an exception concerning maintaining production for all **DIP packages**, where, due to the closure of the Longyang fab in China, these products are discontinued with immediate effect.

### Analog

The products concerned are principally Op Amps, Standard Interface and Timers in **DIP packages** only and Audio products in **DIP, Pentawatt, Heptawatt** and **Clipwatt**. Again, due to the closure of the Longyang fab in China; these products are discontinued with immediate effect.

The list of products impacted by this discontinuation are shown on the following pages below. All products impacted by the above will be changed to **NRND** (Not recommended for New Design) status on ST's website.

Please make the relevant person(s) in your organisation aware of these changes to prevent any disruption to supply.

Yours Sincerely

Anglia

Part Number	FAMILY	Type	PACKAGE	PRODUCT STATUS
M22100B1	Analog	Analog Switch	PDIP 14-16 (0.25)	Discontinued
L165V	Analog	Audio	PENTAWATT	Discontinued
L2722	Analog	Audio	PDIP 8 - MDIP .25	Discontinued
L272M	Analog	Audio	PDIP 8 - MDIP .25	Discontinued
STA540SAN	Analog	Audio	CLIPWATT	Discontinued
STA541SA	Analog	Audio	CLIPWATT	Discontinued
TBA820M	Analog	Audio	PDIP 8 - MDIP .25	Discontinued
TDA2003AH	Analog	Audio	PENTAWATT	Discontinued
TDA2003AV	Analog	Audio	PENTAWATT	Discontinued
TDA2030AV	Analog	Audio	PENTAWATT	Discontinued
TDA2030H	Analog	Audio	PENTAWATT	Discontinued
TDA2040V	Analog	Audio	PENTAWATT	Discontinued
TDA2050V	Analog	Audio	PENTAWATT	Discontinued
TDA2052V	Analog	Audio	HEPTAWATT	Discontinued
TDA2822M	Analog	Audio	PDIP 8 - MDIP .25	Discontinued
TDA7266MSA	Analog	Audio	CLIPWATT	Discontinued
TDA7266SA	Analog	Audio	CLIPWATT	Discontinued
TDA7266SAN	Analog	Audio	CLIPWATT	Discontinued
TDA7297SA	Analog	Audio	CLIPWATT	Discontinued
TDA7496SA	Analog	Audio	CLIPWATT	Discontinued
TEA2025B	Analog	Audio	PDIP 14-16 (0.25)	Discontinued
LF347N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LF351N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LF353N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM124N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM139N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM158N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM193AN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM201AN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM211N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM219N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM224AN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM224N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM224WN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM239AN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM239N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM248N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM258AN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM258N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM2901N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM2902N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM2903N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM2904N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM293AN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM293N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued

Part Number	FAMILY	Type	PACKAGE	PRODUCT STATUS
LM301AN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM311N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM319N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM324AN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM324N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM324WN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM339AN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM339N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM346N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM348N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
LM358AN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM358N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM393AN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM393N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LM833N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LS204CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
LS404IN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
MC1458IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
MC1458N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
MC1558N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
MC3303N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
MC33078N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
MC33171N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
MC33172N	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
MC33174N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
MC3403N	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
MC4558CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TJM4558CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TL061CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TL061IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TL062CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TL062IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TL064CN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TL064IN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TL071CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TL072ACN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TL072CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TL072IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TL074BCN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TL074CN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TL074IN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TL081CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TL082ACN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TL082CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TL082IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued

Part Number	FAMILY	Type	PACKAGE	PRODUCT STATUS
TL084ACN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TL084BIN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TL084CN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TL084IN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TS271CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS272ACN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS272AIN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS272CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS272IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS274CN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TS27L2AIN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS27L2CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS27L2IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS27L4CN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TS27L4IN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TS27M2IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS3702IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS372CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS512AIN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS522IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS912AIN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS912IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS921IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS922IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TS924IN	Analog	Op Amps & Comparators	PDIP 14-16 (0.25)	Discontinued
TS952IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
TSH22IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
UA741CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
UA741IN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
UA748CN	Analog	Op Amps & Comparators	PDIP 8 - MDIP .25	Discontinued
ST232CN	Analog	Standard Interface	PDIP 14-16 (0.25)	Discontinued
ST485BN	Analog	Standard Interface	PDIP 8 - MDIP .25	Discontinued
ST485CN	Analog	Standard Interface	PDIP 8 - MDIP .25	Discontinued
ST485ERBN	Analog	Standard Interface	PDIP 8 - MDIP .25	Discontinued
NE555N	Analog	Timers	PDIP 8 - MDIP .25	Discontinued
NE556N	Analog	Timers	PDIP 14-16 (0.25)	Discontinued
SE555N	Analog	Timers	PDIP 8 - MDIP .25	Discontinued
TS555CN	Analog	Timers	PDIP 8 - MDIP .25	Discontinued
TS555IN	Analog	Timers	PDIP 8 - MDIP .25	Discontinued
TS556CN	Analog	Timers	PDIP 14-16 (0.25)	Discontinued
HCF4001BEY	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
HCF4007UBEY	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
HCF40103BEY	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
HCF40106BEY	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
HCF4011BEY	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued





Part Number	FAMILY	Type	PACKAGE	PRODUCT STATUS
M74HC151B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC157B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC161B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC164B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC165B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC174B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC175B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC221B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC238B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC251B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC257B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC259B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC32B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC365B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC367B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC368B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC390B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC393B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4017B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4020B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4024B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4040B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4049B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4050B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4051B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4052B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4053B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4060B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4066B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4075B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4078B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4094B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4316B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4518B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4520B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4538B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC4543B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC51B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC590B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC592B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC595B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC597B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC7266B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC73B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HC74B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued

Part Number	FAMILY	Type	PACKAGE	PRODUCT STATUS
M74HC86B1R	Logic	Standard Logic	PDIP 14-16 (0..25)	Discontinued
M74HCT00B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HCT08B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HCT132B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HCT14B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued
M74HCT32B1R	Logic	Standard Logic	PDIP 14-16 (0.25)	Discontinued