

# Rebound Electronics



Market Insight Q3/2020

Analog	4
Batteries	6
Connectivity	7
Discrete	9
Electromechanical	13
High-End	16
Interconnect	17
Opto/Lighting	19
Memory	21
Passives	23
Market Insight	26



Fig.1



Fig.2



Fig.3



268

1,568

43% 35% 22%



ANALOG		PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
Standard	Amplifiers & Comparators	→	↑	12-18
	Analog Interface	→	↑	12-18
	Power Management	→	↑	12-18
	Converters	→	↑	12-18

MPU/MCU		PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
MPU		→	↑	12-18
MCU	8 Bit & Lower	→	↑	18+
	16 Bit	→	↑	18+
	32 Bit & Higher	→	↑	18+
DSP		→	↑	18+

PROGRAMMABLE LOGIC	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
	→	→	18+

STANDARD LOGIC	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
Timing Products	→	→	18+
Interface	→	→	18+
Connectivity	→	→	18+
Standard Logic	→	↑	4-10

POWER	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
FET	→	↑	18+
IGBT	→	→	18+
Rectifier	→	↑	12-18
Other Power	→	↑	12-18



MEMORY	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
Flash	→	→	12-18
eMMC	→	→	18+
EEPROM	→	→	4-10
DRAM	↑	↑	12-18
SRAM	→	↑	12-18
Solid State Drives	↑	→	18+

SENSORS	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
FET	→	↑	18+

OPTO	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
LEDs (Low Power)	↑	↑	12-18
LEDs (Mid Power)	↑	↑	12-18
LEDs (High Power)	↑	↑	12-18
Couplers	→	↑	18+
Fibre-Optic	→	↑	12-18
Infrared	→	↑	12-18
Other Opto	→	→	12-18

DISCRETE	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
Small Signal	→	↑	12-18
RF	→	↑	12-18



↔	Stable
↗	Increasing
↘	Decreasing
SMA	Selective Market Adjustment
EOL	End-of-Life

## Analog

MANUFACTURER	PRODUCT	LEAD TIME (WEEKS)	TREND	PRICING	COMMENTS
AMS	Analog	18-54+	↔	↔	
BOSCH	Sensors	16-18	↔	↔	
	Multi- Source Analog/Power	12-14	↔	↔	
DIODES	Switching Regulators	12-14	↔	↔	
	Timings	10-12	↔	↔	
FTDI Chip	Interface	16-18	↔	↔	
	Sensors	10-42	↔	↔	
Infineon	Switching Regulators	28	↗	↔	
	Analog and Power for Automotive (CAN/LIN/Smart FET)	24-26	↘	↔	
	Signal Chain Amplifiers	8-10	↔	↔	
Maxim Integrated	Interface	8-10	↔	↔	
	Sensors	8-12	↔	↔	
Maxlinear	Interface	12-14	↔	↔	
Melexis	Sensors	18-44	↗	↔	
	Signal Chain (Amplifiers and Data Converters	10-12	↔	↔	
Microchip	Timing	10-12	↔	↔	
	Switching Regulators	12-14	↔	↔	
MPS	Switching Regulators	10-12	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WEEKS)	TREND	PRICING	COMMENTS
NXP	Sensors	16-32	↗	↔	
	Interface	12-14	↔	↔	
	Analog and Power for Automotive (CAN/LIN/Smart FET)	22+	↔	↔	
Omron	Sensors	14-16	↔	↔	
ON Semiconductor	Sensors	20-26	↔	↔	
	Signal Chain (Amplifiers and Data Converters)	12-14	↔	↔	
	Timing	12-14	↔	↔	
	Multi- Source Analog/Power	8-10	↙	↔	
	Switching Regulators	12-14	↔	↔	
Panasonic	Sensors	14-20	↔	↔	
3PEAK	Signal Chain (Amplifiers, Data Converters, Interface, & Power Management)	4-6	↔	↔	
Renesas	Signal Chain (Amplifiers and Data Converters)	10-12	↔	↔	
	Timing	10-12	↔	↔	
	Switching Regulators	10-12	↔	↔	
ROHM	Sensors	14-26	↔	↔	
	Switching Regulators	10-12	↔	↔	
ST Microelectronics	Sensors	16-28	↗	↔	
	Signal Chain (Amplifiers and Data Converters)	12-14	↔	↔	
	Multi- Source Analog/Power	8-10	↙	↔	
	Switching Regulators	12-14	↔	↔	
	Analog and Power for Automotive (CAN/LIN/Smart FET)	24-26	↙	↔	
TE Sensor Solutions	Sensors	16-32	↗	↔	
Vishay	Sensors	16-22	↔	↔	



# Batteries

MANUFACTURER	PRODUCT	LEAD TIME (WEEKS)	TREND	PRICING	COMMENTS
Energizer	Alkaline	10-12	↔	↔	
	Lithium Metal	10-12	↔	↔	
	Silver Oxide	10-12	↔	↔	
GP Batteries	Alkaline	10-12	↔	↔	
	Lithium Metal	12-14	↔	↔	
	Lithium Ion	12-14	↔	↔	
	Nickle Metal Hydride	12-14	↔	↔	
	Lead Acid	10-12	↔	↔	
	Carbon Zinc	10-12	↔	↔	
Panasonic	Alkaline	12-14	↔	↔	
	Lithium Metal	16-18	↔	↔	
	Nickle Metal Hydride	10-12	↔	↔	
	Lead Acid	12-14	↔	↗	
	Carbon Zinc	10-12	↔	↔	
Renata Batteries	Lithium Metal	14-16	↔	↔	
	Nickle Metal Hydride	12-14	↔	↔	
	Silver Oxide	10-12	↔	↔	
	Carbon Zinc	10-12	↔	↔	
VARTA	Alkaline	12-14	↔	↔	
	Lithium Metal	20-26	↔	↗	
	Lithium Ion	22-28	↗	↔	
	Nickle Metal Hydride	12-14	↔	↔	



## Connectivity

MANUFACTURER	PRODUCT	LEAD TIME (WEEKS)	TREND	PRICING	COMMENTS
AMS	RFID	30-32	↗	↔	
AVX	Antennas	10-12	↔	↔	
	802.15.4/Zigbee Modules	16-18	↔	↔	
CEL	Small Signal, Schottky Diodes, PIN Diodes, Bipolar Transistors, FETs/PHEMTs, Amplifiers, Mixers & Modulators, VCOs, SS Bipolar Transistors, Wideband Transistors	20-22	↔	↔	
Cypress	Bluetooth Modules	12-14	↔	↔	
Laird Connectivity	Wi-Fi Modules	14-16	↗	↗	
	Cellular Modules	8-12	↔	↔	
Linx Technologies	Antennas	8-12	↔	↔	
	Transceivers/Receivers	8-12	↔	↔	
	Transceivers/Receivers	18	↔	↔	
Melexis	RFID	16-18	↔	↔	
	Wi-Fi Modules	20-22	↔	↔	
Microchip	Bluetooth Modules	20-22	↔	↔	
	Transceivers/Receivers	16-18	↗	↔	
Murata	Wi-Fi Modules	24-28	↔	↔	
	Bluetooth Modules	24-28	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
<b>NXP</b>	Multi-Protocol/Chip Solutions	14-16	↔	↔	
	Transceivers/Receivers	10-12	↔	↔	
	RFID	12-14	↔	↔	
	High Power IC's	20	↔	↔	
<b>ON Semiconductor</b>	Bluetooth Modules	18-32	↔	↔	
<b>Panasonic</b>	Bluetooth Modules	18-20	↔	↔	
	RFID	16-18	↔	↔	
<b>Pulse Electronics</b>	Antennas	10-12	↔	↔	
<b>Sierra Wireless</b>	Multi-Protocol/Chip Solutions	16-18	↔	↔	
	Cellular Modules	20-22	↔	↔	
<b>Silex Technology</b>	Wi-Fi Modules	16-18	↔	↔	
<b>ST Microelectronics</b>	Bluetooth Modules	14-18	↔	↔	
	RFID	10-12	↔	↔	
<b>Taoglas</b>	Antennas	10-12	↔	↔	
<b>U-Blox</b>	Bluetooth Modules	12-14	↔	↔	
	Cellular Modules	12-14	↔	↔	
	GPS	12-14	↔	↔	





# Discrete

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Alpha Power Solutions	Diode Array	10-12	↔	↙	
	Low Voltage MOSFETS	10-12	↔	↙	Price is slightly decreasing
	High Voltage MOSFETS	10-12	↔	↙	
AVX	Varistors	22-24	↗	↔	
CEL	Optocoupler Components	24-32	↗	↔	
Diodes Inc.	Low Voltage MOSFETS	24-28	↗	↔	
	TVS Diodes	20-24	↗	↔	
	Bridge Rectifiers	12-16	↔	↔	
	Schottky Diodes	12-22	↗	↔	
	Rectifiers	12-16	↔	↔	
	Switching Diodes	12-22	↗	SMA	
	Small Signal MOSFETS	12-22	↗	↔	
	Zener Diodes	12-22	↗	↔	
	Bipolar Transistors	12-22	↗	↔	
	Digital Transistors	12-22	↗	↔	
	General Purpose Transistors	12-22	↗	↔	
	Logic	24-28	↗	↔	
EATON	ESD	14-16	↔	↗	
	Fuses	12-16	↔	↔	
	Clips and Holders	14-18	↗	↔	
Everlight	Optocoupler Components	20-26	↗	↔	
Fairchild (ON Semiconductor)	Low Voltage MOSFETS	18-26	↗	↔	
	High Voltage MOSFETS	18-24	↔	SMA	
	IGBTs	16-22	↔	SMA	
	Bridge Rectifiers	12-16	↔	SMA	
	Schottky Diodes	14-18	↗	↔	
	Rectifiers	14-22	↔	↔	
	Switching Diodes	12-42	↗	↔	
	Small Signal MOSFETS	12-18	↗	↔	
	Zener Diodes	20-24	↗	↔	
	Bipolar Transistors	12-22	↗	↔	
	Optocoupler Components	20-22	↗	↔	
Goford Semiconductor	Low Voltage MOSFETS	4-6	↔	↔	
	High Voltage MOSFETS	4-6	↔	↔	
Hollyfuse	Fuses	16	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Infineon	Low Voltage MOSFETS	18-32	↗	↔	
	High Voltage MOSFETS	26-30	↗	↔	
	IGBTs	24-32	↗	↔	
	Digital Transistors	12-20	↗	↔	
	General Purpose Transistors	12-20	↗	↔	
	Mil-Aero Transistors	22-38	↗	↔	
Isocom Components	Optocoupler Components	4	↔	↔	
IXYS	High Voltage MOSFETS	28-30	↗	↔	
	IGBTs	28-30	↗	↔	
	Thyristors/Triacs	52-54	↗	↔	
Keystone	Clips and Holders	14-16	↗	↔	
Lite-On	Optocoupler Components	18-20	↗	↔	
Littelfuse	ESD	18-22	↗	↔	
	Diode Arrays	14-16	↗	↔	
	Varistors	18-24	↗	↔	
	Fuses	16-26	↗	↔	
	PTC Fuses	12-14	↔	↔	
	Clips and Holders	12-14	↗	↔	
	Thyristors/Triacs	18-20	↗	↔	
	TVS Diodes	24	↗	SMA	
Sensors	20	↗	↔		
Micro Commercial Components	Schottky Diodes	10-16	↗	SMA	
	Switching Diodes	10-16	↗	SMA	
	Zener Diodes	10-16	↗	SMA	
	General Purpose Transistors	10-16	↗	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Microsemi	High Voltage MOSFETS	28-32	↔	↔	
	IGBTs	28-32	↗	↔	
	Mil-Aero Diodes	32-52	↗	SMA	
	Mil-Aero Transistors	32-52	↗	SMA	
Nexperia	Low Voltage MOSFETS	28-32	↗	↔	
	ESD	8-16	↗	SMA	
	Schottky Diodes	10-14	↗	SMA	
	Switching Diodes	10-14	↗	SMA	
	Small Signal MOSFETS	10-14	↗	↔	
	Zener Diodes	10-14	↗	SMA	
	Bipolar Transistors	10-14	↗	SMA	
	Digital Transistors	10-14	↗	SMA	
	General Purpose Transistors	10-14	↗	SMA	
	Logic	10-14	↗	↔	
ON Semiconductor	Low Voltage MOSFETS	16-22	↗	↔	
	ESD	10-22	↗	↔	
	Schottky Diodes	12-22	↗	SMA	
	Rectifiers	14-22	↔	↔	
	Switching Diodes	12-22	↗	SMA	
	Small Signal MOSFETS	12-22	↗	SMA	
	Zener Diodes	12-22	↗	SMA	
	Bipolar Transistors	12-22	↗	SMA	
	Digital Transistors	12-22	↗	SMA	
	General Purpose Transistors	12-22	↗	SMA	
Logic	14-28	↗	↔		
ProTek Devices	Diode Arrays	14-18	↔	↔	
Renesas	Optocoupler Components	24-32	↗	↔	
ROHM	High Voltage MOSFETS	22-28	↗	↔	
	Schottky Diodes	14-24	↗	↔	
	Switching Diodes	18-22	↗	↔	
	Digital Transistors	20-24	↗	↔	
	General Purpose Transistors	20-24	↗	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Schurter	Fuses	14-26	↗	↔	
	Clips and Holders	14-18	↗	↔	
Semtech	Diode Arrays	10-14	↔	↔	
	Mil-Aero Diodes	22-32	↗	↔	
ST Microelectronics	Low Voltage MOSFETS	26-32	↗	↔	
	High Voltage MOSFETS	20-32	↗	↔	
	IGBTs	18-22	↔	SMA	
	ESD	22-26	↗	↔	
	Thyristors/Triacs	24-28	↗	↔	
	TVS Diodes	20-22	↗	↔	
	Rectifiers	12-14	↔	↔	
	Bipolar Transistors	12-22	↗	↔	
Taiwan Semiconductor	Low Voltage MOSFETS	14-16	↔	↔	
	ESD	14-16	↔	↔	
	Schottky Diodes	14-16	↔	↔	
	Rectifiers	14-16	↔	↔	
	Switching Diodes	14-16	↔	↔	
	Small Signal MOSFETS	14-16	↔	↔	
	Zener Diodes	14-16	↔	↔	
	Bipolar Transistors	14-16	↔	↔	
	Digital Transistors	14-16	↔	↔	
	General Purpose Transistors	14-16	↔	↔	
Logic	14-16	↔	↔		
TDK EPCOS	Varistors	20-24	↗	↔	
TE Connectivity	PTC Fuses	12-14	↔	↔	
Vishay	Low Voltage MOSFETS	16-22	↔	SMA	
	High Voltage MOSFETS	18-20	↔	SMA	
	TVS Diodes	24-28	↗	↗	
	Bridge Rectifiers	14-16	↔	↔	
	Rectifiers	12-22	↔	↔	
	Zener Diodes	16-20	↗	↔	
	Optocoupler Components	16-20	↗	↔	



## Electromechanical

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
AVX	Timing	14-16	↔	↔	
	Fans	14-16	↔	↔	
Aavid	Heatsinks	14-16	↔	↗	
Abracon	Timing	14-26	↗	↔	
ADDA	Fans	14-18	↔	↗	
Alps Electric	Switches	14-26	↗	↗	
American Zettler	Relays	14-28	↔	↔	
Bivar	Hardware	8-10	↔	↔	
C&K	Switches	14-22	↗	↗	
Citizen Finedevice	Timing	14-22	↗	↔	
	Power Supplies (AC/DC)	14-22	↔	↔	
COSEL	Power Supplies (DC/DC)	14-18	↔	↔	
	Switches	10-12	↔	↔	
CTS	Timing	10-12	↔	↔	
	Power Supplies (AC/DC)	12-14	↔	↔	
CUI Inc	Power Supplies (DC/DC)	14-16	↔	↔	
	Heatsinks	12-14	↔	↔	
Delta	Fans	20-22	↔	↔	
Diodes Inc	Timing	10-12	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
E-Switch	Switches	16-18	↔	↗	
EPSON Electronics America	Timing	12-20	↗	↔	
Fox	Timing	12-14	↔	↗	
Grayhill	Switches	18-20	↗	↗	
Heyco	Hardware	8-10	↔	↔	
Hongfa	Relays	14-34	↔	↔	
Infineon	Relays	20-24	↔	↔	
IXYS	Relays	10-16	↔	↔	
Keystone	Hardware	6-8	↔	↔	
Kyocera International	Timing	14-16	↔	↔	
Meanwell	Power Supplies (AC/DC)	16-18	↔	↔	
Mornsun	Power Supplies (AC/DC)	6	↔	↔	
	Power Supplies (DC/DC)	6	↔	↔	
Murata	Timing	10-12	↔	↔	
Murata Power Solutions	Power Supplies (AC/DC)	14-16	↔	↔	
	Power Supplies (DC/DC)	14-16	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Myrra	Power Supplies (AC/DC)	16-18	↔	↔	
NKK Switches	Switches	12-20	↔	↗	
NMB	Fans	12-14	↔	↗	
Ohmite	Fans	12-14	↗	↗	
Omron	Switches	14-16	↔	↔	
Panasonic	Relays	16-38	↔	↔	
	Switches	12-14	↔	↗	
Qualtek	Fans	16-18	↔	↔	
Ralton	Timing	12-18	↔	↔	
RECOM	Power Supplies (AC/DC)	14-20	↔	↔	
	Power Supplies (DC/DC)	14-20	↔	↔	
Schneider Electric	Relays	16-18	↔	↔	
Song Chuan	Relays	16-18	↔	↔	
SUNON	Fans	18-20	↗	↗	
TE Sensor Solutions	Relays	14-16	↔	↔	All stable except the IM Relay series- allocation- 54+weeks
	Switches	12-14	↔	↔	
Vicor	Power Supplies (AC/DC)	22-24	↗	↔	
	Power Supplies (DC/DC)	22-24	↗	↔	



## High-End

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Compulab	SOM	18	↔	↔	
	8 bit MCU	18-26	↗	↔	
Cypress	32 bit MCU	18-26	↗	↔	
	USB	10-12	↔	↗	
	Automotive	22-26	↔	↔	
DKE	E-paper Display	8-10	↔	↔	
Formerica	Fibre Optic Transceivers	10-14	↗	↔	
Infineon	Automotive	34	↔	↔	
Lattice Semiconductor	FPGA	14-16	↗	↗	
	8 bit MCU	14-18	↗	↔	
	32 bit MCU	18-24	↗	↔	
Microchip	PHY/ Ethernet	20	↔	↗	
	USB	10-12	↔	↗	
	32 bit MPU	14	↔	↔	
Microsemi	FPGA	14-18	↔	↔	
	PHY/ Ethernet	10-12	↔	↗	
	8 bit MCU	18-20	↗	↔	
	32 bit MCU	18-20	↗	↔	
NXP	Automotive	18-20	↗	↔	
	32 bit MPU	20	↗	↔	
	Network Processors	16-18	↗	↔	
Raystar	LCDs	6-8	↔	↔	
	8 bit MCU	22	↔	↔	
	32 bit MCU	22	↔	↔	
Renesas	Automotive	32	↔	↔	
	32 bit MPU	26	↔	↔	
Renesas Synergy	32 bit MCU	14-16	↔	SMA	
Sharp	LCDs	22-26	↔	↗	
	8 bit MCU	14-16	↗	↔	
	32 bit MCU	14	↔	↔	
ST Microelectronics	Automotive	52	↔	↔	
	32 bit MPU	20	↔	↔	
Zilog	8 bit MCU	24-28	↗	↔	





## Interconnect

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Adam Tech	D-Sub Connectors	14-16	↔	↔	
	PCB Connectors	14-16	↔	↔	
Altech Corp.	Terminal Blocks & Crimps	8-10	↔	↔	
Amphenol ICC	D-Sub Connectors	10-12	↔	↔	
	Data & Telecom	10-12	↔	↔	
	PCB Connectors	10-12	↔	↔	
	FFC/FPC	10-12	↔	↔	
Amphenol Sine System	Circular Connectors	14	↔	↔	
AVX	Lighting Connectors	12-14	↗	↔	
Connfly	PCB Connectors	16	↔	↔	
Degson	Terminal Blocks & Crimps	14	↗	↔	
EDAC	PCB Connectors	12-16	↔	↔	
Greenconn Technology	PCB Connectors	4-6	↔	↔	Subject to raw material cost



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
HALO Electronics	Data & Telecom	18-20	↔	↔	
HARTING	PCB Connectors	10-12	↔	↔	
	PCB Connectors	10-14	↗	↗	
Hirose Electric	RF Connectors	12-14	↗	↗	
	FFC/FPC	12-14	↗	↗	
JST	PCB Connectors	18-28	↔	↔	
	PCB Connectors	6-8	↔	↔	
Mil-Max	IC Sockets	6-8	↔	↔	
Omron	PCB Connectors	14-16	↔	↔	
Sullins	PCB Connectors	8-10	↔	↔	
	Automotive Connectors	18-22	↗	↔	
	Circular Connectors	42	↗	↔	
	Relays	54+	↗	↔	
	D-Sub Connectors	10-12	↗	↔	
TE Connectivity	Data & Telecom	10-12	↗	↔	Longer Lead Time for Terminals & Contacts
	PCB Connectors	10-12	↗	↔	
	RF Connectors	14-16	↗	↔	
	IC Sockets	8-10	↗	↔	
	Terminal Blocks & Crimps	16-18	↗	↔	
	Lighting Connectors	10-12	↗	↔	
	Terminal Blocks & Crimps	10-12	↔	↔	
WAGO	Lighting Connectors	10-12	↔	↔	
WECO	Terminal Blocks & Crimps	10-12	↔	↔	



## Opto/Lighting

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
<b>Bridgelux</b>	Chip On Board (CoB)	8-10	↔	↔	
<b>Dialight</b>	Indication LEDs	12-18	↗	↔	
<b>Everlight</b>	Automotive LEDs (AEC-Q101 Certified)	10-12	↔	↔	
	Infrared Components/ LED	10-12	↔	↔	
	Indication LEDs	10-12	↗	↔	
	UV LEDs	10-12	↔	↔	
<b>Excellence Optoelectronics Inc.</b>	Automotive LEDs (AEC-Q101 Certified)	8-10	↔	↔	
<b>General Luminaire</b>	Standard Light Engines (Level 2 Boards)	10-12	↔	↔	
<b>Inolux</b>	Indication LEDs	8-10	↔	↔	
<b>Kingbright</b>	LED Displays	14-16	↔	↗	
	Indication LEDs	14	↔	↔	
<b>Lite-On</b>	Infrared Components/ LED	8-10	↔	↔	
	LED Displays	10-12	↔	↔	
	Indication LEDs	10-12	↔	↔	
<b>Lumex</b>	LED Displays	14	↔	↔	
	Indication LEDs	10-16	↔	↔	
<b>Lumileds</b>	Illumination High Power LEDs (White)	12-14	↗	↗	
	Illumination High Power LEDs (Colors)	12-14	↗	↗	
	Illumination High Power LEDs (White & Colors)	10-12	↔	↔	
	Automotive LEDs (AEC-Q101 Certified)	16-18	↗	↗	
	Chip On Board (CoB)	12-14	↗	↗	
	Standard Light Engines (Level 2 Boards)	14-16	↗	↗	
	Infrared Components/ LED	10-12	↔	↔	
	UV LEDs	10-12	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Nichia	Illumination High Power LEDs (White)	8-10	↔	↔	
	Illumination High Power LEDs (Colors)	10-12	↔	↔	
	Illumination High Power LEDs (White & Colors)	8-10	↔	↔	
	Chip On Board (CoB)	8-10	↔	↔	
Raystar	OLEDs	10-12	↙	↙	
	TFT Displays	10-12	↔	↙	
ROHM	Infrared Components/ LED	8-10	↔	↔	
	Indication LEDs	12-14	↔	↔	
Samsung LED	Illumination High Power LEDs (White)	10-12	↔	↔	
	Illumination High Power LEDs (White & Colors)	8-10	↔	↔	
	Chip On Board (CoB)	8-10	↔	↔	
	Standard Light Engines (Level 2 Boards)	12-14	↔	↔	
Seoul Semiconductor	Illumination High Power LEDs (White)	10-12	↔	↔	
	Illumination High Power LEDs (White & Colors)	8-10	↔	↔	
	Chip On Board (CoB)	8-10	↔	↔	
	Standard Light Engines (Level 2 Boards)	12-14	↔	↔	
Seoul Viosys	UV LEDs	8-10	↔	↔	
Stanley Electric	LED Displays	14	↔	↔	
	Indication LEDs	12-14	↔	↔	
SunLed	LED Displays	10-12	↔	↔	
Team Source	TFT Displays	6-8	↔	↔	
TT Electronics- Optek Technology	Infrared Components/ LED	10-12	↗	↔	
VCC	Indication LEDs	14	↔	↔	
Vishay	Infrared Components/ LED	10-22	↔	↔	
	Indication LEDs	10-32	↔	↔	
	UV LEDs	8-10	↔	↔	



# Memory

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
ADATA	Memory Modules	8-10	↔	↔	
	Memory Cards	8-10	↔	↔	
	Solid State Drives (SSD)	8-10	↔	↔	
Adesto Technologies	NOR Flash	6-14	↔	↔	
	DATA Flash	10-12	↔	↔	
Alliance Memory	PC (Commodity) DRAM	6-10	↔	↔	Not affected by Covid-19; High Stock Inventories
	Mobile DRAM	10-12	↔	↔	
	SRAM	8-12	↔	↔	
	NOR Flash	8-10	↔	↔	
Cypress	SRAM	10-18	↗	↔	
	NOR Flash	12-20	↗	↔	
	FRAM & NVSRAM	18-30	↗	↔	
Everspin Technologies	MRAM	10-16	↔	↔	
Greenliant	eMMC	10-14	↔	↔	
	Solid State Drives (SSD)	12-14	↔	↔	
Kingston	PC (Commodity) DRAM	8-10	↔	↔	
	Mobile DRAM	8-10	↔	↔	
	Memory Modules	8-10	↔	↔	
	eMMC	8-10	↔	↔	
	Memory Cards	6-8	↔	↔	
	Solid State Drives (SSD)	6-8	↔	↔	
Macronix	NOR Flash	10-14	↗	↔	
	SLC NAND Flash	10-12	↗	↗	
	eMMC	10-14	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Microchip	NOR Flash	10-18	↔	↔	
	EEPROM	8-16	↔	↔	
	EPROM	8-14	↔	↔	
Micron	PC (Commodity) DRAM	14-16	↔	↔	
	Memory Modules	16-18	↔	↔	
	eMMC	16-18	↗	↗	
	Solid State Drives (SSD)	16-18	↔	↔	
ON Semiconductor	EEPROM	10-22	↗	↔	
Panasonic	Memory Cards	14-28	↔	↔	
Renesas	SRAM	20-22	↔	↔	Some changes and delay on assembly; Supply is highly constraint due to Fab
Samsung	PC (Commodity) DRAM	14-16	↔	↔	
	Memory Modules	16-18	↔	↔	
	eMMC	16-18	↗	↗	
	Solid State Drives (SSD)	16-18	↔	↔	
SkyHigh Memory	SLC NAND Flash	8-10	↗	↗	
	eMMC	10-12	↔	↔	
STMicroelectronics	EEPROM	16-20	↗	↔	



## Passives

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Apl Delevan	Inductors	22-50	↔	↔	
	Capacitors- Supercapacitors	16-18	↔	↔	
	Capacitors- Tantalum Molded	32	↗	↗	
	Capacitors- Tantalum Conformals	54	↔	↔	
	Capacitors- Polymer Tantalum	16	↗	↔	
AVX	Surface Mount General Capacitors- Ceramic ( Less than 1 uf )	16-18	↗	↔	
	Surface Mount General Capacitors- Ceramic ( Greater than 1 uf )	16-18	↗	↔	Excluding 1206+ sizes
	Lead Capacitors-Ceramic	22-30	↔	↔	
	Specialty Capacitors	22-32	↔	↔	
Coilmaster Electronics	Filters- Common Mode Choke	4-6	↔	↔	
	High Frequency Transformer	8-10	↔	↔	
	Inductors	6-8	↔	↔	
	LAN Magnetics Transformer	6-8	↔	↔	
CTS	Resistor Networks	12-16	↔	↔	
Eaton	Capacitors- Supercapacitors	12-16	↔	↔	
	Inductors	16-18	↗	↔	
ELNA	Capacitors- Supercapacitors	22-32	↘	↔	
Faratronic	Capacitors- Film	14-16	↔	↔	
HALO Electronics	Inductors	16-20	↗	↔	
Murata	Filters	14-20	↔	↔	
	Inductors	14-24	↗	↗	
	Surface Mount General Capacitors- Ceramic ( Less than 1 uf )	12-14	↗	↔	
	Surface Mount General Capacitors- Ceramic ( Greater than 1 uf )	12-18	↗	↔	Excluding 1206+ sizes
	Leaded Capacitors- Ceramic	20-22	↔	↔	
NIC Components	Specialty Capacitors	14-16	↔	↔	
	Electrolytic	20-22	↗	↔	
	Filters	10-14	↔	↗	
	Inductors	16-20	↗	↔	
	Fixed Resistors	16	↔	↔	
	Surface Mount General Capacitors- Ceramic ( Less than 1 uf )	30	↗	↔	
	Surface Mount General Capacitors- Ceramic ( Greater than 1 uf )	30	↗	↗	Excluding 1206+ sizes
Leaded Capacitors- Ceramic	16-18	↔	↔		



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Nichicon	Electrolytic	22-26	↗	↔	
Nippon Chemi-Con	Electrolytic	18-24	↔	↔	
Panasonic	Trimmers & Pots	EOL			
	Electrolytic	20-26	↗	↔	
	Capacitors- Polymer Tantalum	16-18	↗	↔	
	Inductors	22	↔	↔	
	Fixed Resistors	12-14	↔	↔	
	Resistor Networks	20	↔	↗	
Pancon Corp.- Paktron	Capactors- Film	12-14	↔	↗	
ROHM	Fixed Resistors	Allocation			
	Resistor Networks	Allocation			
Royal Ohm	Resistor Networks	12-14	↔	↔	Longer Lead time on Precision SMDs LT 16-18
Samwha Electric	Electrolytic	16	↔	↔	Longer Lead time on SMDs, LT 18-20
Samsung Electro-Mechanics	Fixed Resistors	47+	↗	↗	
	Surface Mount General Capacitors- Ceramic ( Less than 1 uf )	18-26	↗	↗	
	Surface Mount General Capacitors- Ceramic ( Greater than 1 uf )	24-26	↗	↗	Excluding 1206+ sizes
Stackploe Electronics	Fixed Resistors	20	↗	↔	
Sumida	Inductors	18-28	↔	↔	
TDK EPCOS	Capacitors- Film	22+	↗	↔	
	Filters	16-28	↔	↔	





MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
TT Electronics- BI Technologies	Trimmers & Pots	10-22	↔	↔	
TT Electronics- IRC	Fixed Resistors	22-32	↗	↔	
United Chemi-Con	Electrolytic	20-22	↗	↔	
Viking	Surface Mount General Capacitors- Ceramic ( Less than 1 uf )	28-32	↔	↗	
	Surface Mount General Capacitors- Ceramic ( Greater than 1 uf )	32	↗	↗	Excluding 1206+ sizes
Vishay	Trimmers & Pots	12-16	↔	↔	
	Capacitors- Film	14-18	↔	↔	
	Capacitors- Supercapacitors	16-18	↔	↔	
	Capacitors- Tantalum Molded	32	↗	↗	
	Capacitors- Tantalum Conformals	44	↔	↔	
	Capacitors- Polymer Tantalum	16-18	↗	↔	
	Inductors	22-80	↗	↔	
	Fixed Resistors	22	↗	↗	
	Resistor Networks	EOL			
	Surface Mount General Capacitors- Ceramic ( Less than 1 uf )	20-22	↔	↔	
Walsin Technology Corp.	Leaded Capacitors- Ceramic	14-18	↔	↔	
	Specialty Capacitors	12-14	↔	↔	
Walsin Technology Corp.	Surface Mount General Capacitors- Ceramic ( Less than 1 uf )	18-22	↔	↔	
	Surface Mount General Capacitors- Ceramic ( Greater than 1 uf )	22	↗	↔	
WIMA	Capacitors- Film	14-16	↔	↔	
Würth Elektronik	Inductors	18-32	↗	↗	
Yageo	Fixed Resistors	24	↘	↗	
	Resistor Networks	24	↘	↗	
	Surface Mount General Capacitors- Ceramic ( Less than 1 uf )	26-28	↔	↗	
	Surface Mount General Capacitors- Ceramic ( Greater than 1 uf )	26-28	↔	↗	Excluding 1206+ sizes



## Market Insight



### Easby Electronics

- EASBY Electronics are pleased to announce the signing of a great new franchise effective 1st June 2020. OMRON Electronic Components. Their stocking profile will consist of many lines across Sensors, Relays, Switches and Connectors.



### Analog Device

- Issues in testing phase at plant continue to make lead times unstable with unplanned pushouts.
- Analog devices buys Maxim Integrated for \$20bn



### STMicroelectronics

- STM32/STM8 lead times pushed from 12 to 24wks



### NXP

- Price increase on legacy products. Contact EPO for full list.



### Microchip

- 7.5% Price increase on legacy products. Contact Rebound for full list.



### Xilinx

- Xilinx have cancelled the 25% price increase due to take effect last month and pushed this back to 2021 after the impact of Covid 19 – the series due for price increase were - Coolrunner, Coolrunner-II, XC95xxXL CPLDs, XC18Vxx, Platform Flash, Platform Flash XL Configuration Memory, Spartan-2, Spartan-3, Spartan-3E, Spartan-3A, Spartan-3AN, Spartan-3A DSP, Virtex-4, Virtex-5, spartan-6, Virtex-6, Artix-7, Kintex-7 and Virtex-7



## Molex

- Capacity issues on some connectors produced in their Mexico plant due to the fact they are working to 20% capacity due to Covid.



## Epson

- Price increase of 30% + on some Quartz crystals due to Covid.



## Cree

- XHP35A\*\*\*\* becoming obsolete



## Infineon

- Small Signal transistors and diode on EOL



## Dialog Semiconductor

- Dialog Semiconductor Announces Completion of its Acquisition of Adesto Technologies. The potential deal announced in February has now been completed.

*Although every effort has been made to provide complete and accurate information, Rebound Technology Group Holdings makes no warranties, express or implied, or representations as to the accuracy of content within this document. Rebound Technology Group Holdings assumes no liability or responsibility for any error or omissions in the information contained in the Market Watch Journal.*