

# ON SEMICONDUCTOR Analog ICs

ON Semiconductor®

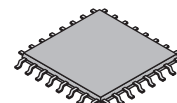


## ON INTERFACES

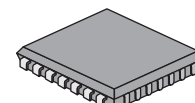
RoHS Compliant This product is RoHS compliant.

### Data Transmitters

MOUSER STOCK NO.		Package Type	No. Drivers	No. Receivers	V <sub>cc</sub> Max (V)	t <sub>PLH</sub> Max (us)	I <sub>O</sub> Max (μA)	I <sub>IH</sub> Max (mA)	Price Each		
Mfr.	Mfr. Part No.								1	25	100
Industrial HART-Protocol Modem											
863	A5191HRTL-G-XTD	LQFP-32	1	1	5.5	0.02	670	0.0005	17.78	17.32	15.13
863	A5191HRTPG-XTD	PLCC-28	1	1	5.5	0.02	670	0.0005	16.89	16.45	15.13
LIN Transceivers											
863	AMIS30600LIN1G	SOIC-8	1	1	18	50	40000	0.7	1.46	1.43	1.42
863	AMIS30600LIN1RG	SOIC-8	1	1	18	50	40000	0.7	1.46	1.43	1.42
Fieldbus Physical Layer Medium Access Unit											
863	AMIS-49200-XTD	LQFP-44	1	1	6.2	4.7	30000	0.001	26.87	23.42	21.35
863	AMIS-49250-XTD	LQFP-44	1	1	4.75	-1	-	1	24.12	20.67	18.32
CAN High-Speed Transceivers											
863	AMIS30660CANH2G	SOIC-8	1	1	5.25	1	45000	8	2.73	2.52	2.16
863	AMIS30660CANH2RG	SOIC-8	1	1	5.25	1	45000	8	2.73	2.43	2.16
863	AMIS30663CANG2G	SOIC-8	1	1	5.25	1	45000	8	2.73	2.52	2.16
High-Speed Low Power CAN Transceiver											
863	AMIS42665TJAA1G	SOIC-14	1	1	5.25	1	45000	8	2.34	2.28	2.27
863	AMIS42665TJAA1RG	SOIC-14	1	1	5.25	1	45000	8	2.34	2.28	2.27
863	AMIS42675ICAA1RG	SOIC-8	1	1	5.25	1	45000	8	1.49	1.45	1.44
Fault Tolerant CAN Transceiver											
863	AMIS41682CANM1RG	SOIC-14	1	1	5.25	8	45000	6.3	3.12	3.04	3.02
863	AMIS41682CANM1G	SOIC-14	1	1	5.25	8	45000	6.3	3.12	3.04	3.02
863	AMIS41683CANN1G	SOIC-14	1	1	5.25	8	45000	6.3	3.12	3.04	3.02
High-Speed CAN Transceiver for Long Networks											
863	AMIS42673ICAG1RG	SOIC-8	1	1	5.25	1	45000	8	1.33	1.29	1.29
863	AMIS42671ICAB1RG	SOIC-8	1	1	5.25	1	45000	8	1.34	1.30	1.30
Dual High-Speed CAN Transceiver for Long Networks											
863	AMIS42770ICAW1RG	SOIC-20	1	1	5.25	1	45000	19.5	7.51	7.32	7.28



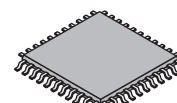
LQFP-32



PLCC-28



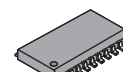
SOIC-8



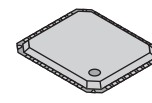
LQFP-44



SOIC-14



SOIC-20



NQFP-32



SSOP-16



TSSOP-8

## ON CLOCK MANAGERS

### PLL Voltage Controlled Oscillators

MOUSER STOCK NO.		Package Type	Description	F <sub>Max</sub> Typ (MHz)	V <sub>cc</sub> Max (V)	Duty Cycle (%)	Price Each		
Mfr.	Mfr. Part No.						1	25	100
863	FS6128-04G-XTD	SOIC-14	VCXO Clock Generator	27	3.6	50	3.84	3.74	3.72
863	FS6128-07-XTD	SOIC-14	VCXO Clock Generator	27	3.6	50	4.15	4.05	4.03
863	FS6131-01G-XTD	SOIC-14	I2C Programmable 1-PLL Clock	230	5.5	50	5.71	5.51	5.23
863	FS6131-01I-XTD	SOIC-14	I2C Programmable 1-PLL Clock	230	5.5	50	11.31	11.02	10.96
863	FS6370-01G-XTD	SOIC-14	EE Programmable 3-PLL Clock	150	5.5	50	6.63	6.46	6.43
863	FS6377-01G-XTD	SOIC-14	I2C Programmable 3-PLL Clock	150	5.5	50	3.96	3.86	3.84
863	FS6377-01IG-XTD	SOIC-14	I2C Programmable 3-PLL Clock	150	5.5	50	9.81	9.56	8.80
863	FS7140-01G-XTD	SOIC-14	I2C Programmable 1-PLL Clock, 3.3V	300	3.6	50	5.60	5.45	5.42
863	FS7140-02G-XTD	SSOP-16	I2C Programmable 1-PLL Clock, 3.3V	300	3.6	50	5.85	5.70	5.67
863	FS7145-01-XTD	SOIC-14	I2C Programmable 1-PLL Clock, 3.3V	300	3.6	50	5.32	5.19	5.16

## ON SRAM MEMORY

### Parallel SRAM

MOUSER STOCK NO.		Description	T <sub>ACC</sub> Max (ns)	V <sub>cc</sub> Max (V)	I <sub>standby</sub> Typ (μA)	I <sub>act</sub> Max (μA)	Price Each		
Mfr.	Mfr. Part No.						1	25	100
863	N01L63W2AT25I	1Mb, 3V Low Power SRAM	55	3.6	2	20	2.40	2.34	2.16
863	N01L63W3AT25I	1Mb, 3V Low Power SRAM	55	3.6	2	20	2.40	2.34	2.32
863	N01L83W2AT25I	1Mb, 3V Low Power SRAM	55	3.6	2	20	1.99	1.94	1.93
863	N02L63W3AB25I	2Mb, 3V Low Power SRAM	55	3.6	2	20	3.35	3.27	3.25
863	N02L63W3AT25I	2Mb, 3V Low Power SRAM	55	3.6	2	20	3.08	3.00	2.99
863	N02L83W2AT25I	2Mb, 3V Low Power SRAM	55	3.6	2	20	2.69	2.62	2.61
863	N04L63W1AT27I	4Mb, 3V Low Power SRAM	70	3.6	4	20	5.21	5.07	5.05
863	N04L63W2AB27I	4Mb, 3V Low Power SRAM	70	3.6	4	20	5.48	5.34	5.31
863	N04L63W2AT27I	4Mb, 3V Low Power SRAM	70	3.6	4	20	5.21	5.07	5.05
863	N08L63W2AB27I	8Mb, 3V Low Power SRAM	70	3.6	4	20	8.89	8.66	8.62

### Serial SRAM

MOUSER STOCK NO.		Package Type	Description	F <sub>cycle</sub> Max (MHz)	V <sub>cc</sub> Max (V)	I <sub>standby</sub> Typ (μA)	Price Each		
Mfr.	Mfr. Part No.						1	25	100
863	N25S818HAS21I	SOIC-8	256kb, 1.8V Serial SRAM	16	1.95	0.2	2.42	2.36	2.34
863	N25S818HAT21I	TSSOP-8	256kb, 1.8V Serial SRAM	16	1.95	0.2	2.42	2.36	2.34
863	N25S830HAS22I	SOIC-8	256kb, 3V Serial SRAM	20	3.6	1	2.42	2.36	2.34
863	N25S830HAT22I	TSSOP-8	256kb, 3V Serial SRAM	20	3.6	1	2.42	2.36	2.34
863	N64S830HAS22I	SOIC-8	64kb, 3V Serial SRAM	20	3.6	1	2.09	2.03	2.02
863	N64S830HAT22I	TSSOP-8	64kb, 3V Serial SRAM	20	3.6	1	2.09	2.03	2.02