

Application-Specific Standard Products

Quarter 1, 2006
SG1003Q12006 Rev 0

About This Revision—Q1/2006

When new products are introduced, a summary of new products will be provided in this section. However, the *New Product* section will only appear on this page when new products have been introduced during the quarter.

In addition, a change bar appears in the left margin of every page in this selector guide that contains new or revised information.

If products are discontinued, a *What's EOL?* page is included at the end of this guide. The *What's EOL?* page lists end-of-life products along with their respective last order date, last ship date, and suggested possible replacement information.

NEW PRODUCT

Product	Page Number	Description
MC44C402	SG1003-3	Multi-channel Television Sound Stereo Encoder
MC44S803	SG1003-3	Third Generation, Low Power, single chip CMOS, Broadband Tuner for high performance analog and digital T.V.

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DIGITAL TELEVISION

Digital Video Encoders

Product	Description	Additional Information
MC44722A	Digital Video Encoders: Y/Cb/Cr Output	Converts ITU-601/656 standard 4:2:2 Bit-Parallel data into analog composite video, S-Video or Y/Cb/Cr in PAL and NTSC formats.
MC44724A	Digital Video Encoders: Y/Cr/Cb and RGB Output	Converts ITU-601/656 standard 4:2:2 Bit-Parallel data into analog composite video, S-Video or Y/Cb/Cr or R/G/B in PAL and NTSC formats.

RF Modulators, Companion ICs, Booster/Splitters

Product	Description	Standards	Output Channels	Region/Country	Packaging	Additional Information
MC44BS373CA	Multi-standard Modulator	B/G, I, D/K, H, M/N, L	VHF and UHF all channels	All	SOIC-16 (SO-NB)	Notes 1, 2, 3, 4
MC44BS374CA	Multi-standard Modulator	B/G, I, D/K, H, M/N	VHF and UHF all channels	All but France	SOIC-16 (SO-NB)	Notes 1, 5
MC44BS374T1	Multi-standard Modulator	B/G, I, D/K, H, M/N	VHF and UHF all channels	All but France	SOIC-16 (SO-NB)	Notes 1, 2, 5
MC44BS374T1A	Multi-standard Modulator (higher output)	B/G, I, D/K, H, M/N	VHF and UHF all channels	All but France	SOIC-16 (SO-NB)	Notes 1, 2, 5
MC44BC375U	VHF Modulator	B/G, H, M/N	VHF Ch 3 and 4	The Americas	SOIC-16 (SO-NB)	Notes 1, 5
MC44BC375UA	VHF Modulator (higher output)	B/G, H, M/N	VHF Ch 3 and 4	The Americas	SOIC-16 (SO-NB)	Notes 1, 3, 5
MC44C380	Booster-Splitter	n/a	n/a	All	SOIC-8 (SO-NB)	Notes 1, 5
MC44C401L	MTS Stereo Encoder	BTSC	n/a	The Americas	32-pin LQFP	Notes 4, 5
MC44C402	MTS Stereo Encoder	BTSC	n/a	The Americas	32-pin LQFP	Notes 4, 5

Notes:

1. Suffix for SOIC-16/8 (SO-NB): D
2. Suffix for lead-free: EF
3. Suffix for lead-free QFN-20 (exposed pad): FC
4. Suffix for 32-pin lead-free LQFP: AC
5. Suffix for tape & reel: R2

Silicon Tuners (Dual Conversion Receivers)

Product	Description	Applications	Packaging	Additional Information
MC44C801FTA	Dual-conversion Silicon Tuner with integrated LNA	Digital cable set-top boxes, cable modems, PC tuner cards	48-pin TQFP (e-pad)	Converts RF signals in 54-861 MHz range to 2nd IF (36-46 MHz).
MC44S803EP	Third generation dual-conversion silicon tuner with integrated LNA	High performance analog and digital TV, computer TV cards, cable data modems, digital terrestrial TV, DVD-R and DVR/PVR	64-pin QFN	Converts RF signals in 48-861 MHz range to 2nd IF (30-50 MHz)

A change bar appears in the left margin to mark the location of new or revised information.

PASSIVE OPTICAL NETWORKING

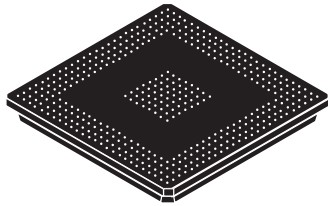
PASSIVE OPTICAL NETWORKING

B-PON

Product	Bit Rate Downstream (Spec) (Mbps)	Bit Rate Upstream (Spec) (Mbps)	Core Operating Voltage (Spec) (V)	I/O Operating Voltage (Spec) (V)	Junction Operating Temperature (Min-Max) (°C)	Communication Protocol	Standards	Packaging	Status
MC92701VRB	622 155	155	1.8	3.3	-40 to 105	UTOPIA	ITU-T G.983	416-pin PBGA (I/O) 27 x 27 PKG 1 mm Pitch (OMPAC)	Samples Now
MC8340BPONVR	622 155	155	1.5	2.5 or 3.3	-40 to 105	UTOPIA	ITU-T G.983	516-pin PBGA (I/O) 27 x 27 PKG 1 mm Pitch (OMPAC)	Q1/2005

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PASSIVE OPTICAL NETWORKING — B-PON — (Scale 1:1)



416-Ball MAPBGA
1 mm Pitch
27.0 mm x 27.0 mm Body

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