

MC908QC16MDRE Information

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General Information

Parameter	Value
Part Number	MC908QC16MDRE
Description	8BIT MCU 16KFLASH PBFREE
Material Type	Tested Packaged Device
Life Cycle Description (code)	PRODUCT NEWLY INTRO D/RAMP-UP(1)
Status	Active

Package Information

Parameter	Value
Package Description	TSSOP 28 4.4*9.7*0.9P.65
JEDEC Pkg Description	TS-PDSO-G28
Pin/Lead/Ball Count	28
Package Material	Plastic
Mounting Style	Surface Mount
Tape & Reel	No

Environmental and Compliance Information

Parameter	Value
Pb-Free	
RoHS Compliant	
Halogen Free	Yes
Product Content Report	Product Content Report
2nd Level Interconnect	e3

Moisture Sensitivity Level (MSL)	3
Floor Life	168 HOURS
Package Peak Temperature (°C)	260

Manufacturing and Qualification information

Parameter	Value
Micron Size (μ m)	.5
Application/Qualification Tier	COMMERCIAL, INDUSTRIAL, AUTOMOTIVE

Ordering Information

Parameter	Value
Last Order Date	
Last Ship Date	
Minimum Package Quantity (MPQ)	50
MPQ Container	RAIL
Preferred Order Quantity (POQ)	1500
POQ Container	BOX
Leadtime (weeks)	17
Export Control Classification Number (US)	EAR99
Harmonized Tariff (US) disclaimer	8542.31.0000
Budgetary Price QTY 1000+ (\$US)	\$2.20
Order	Distributor

Product/Process Change Notice (PCN)

Number	Type	Title	Issue Date	Effectivity Date
12731	Product Change Notice	TSPG MCD KLM PROBE EXPANSION	16 Jul 2007	14 Oct 2007

Operating Characteristics

Parameter	Value
A/D Converter - Bits (bit)	10
A/D Converter - Channels	10
A/D Converter-Y/N	Yes

Additional Features

COP
KBI
LVI
Low Voltage Detect
POR

Ambient Operating Temperature (Ta) (Max) (oC)	125
Ambient Operating Temperature (Ta) (Min) (oC)	-40
Bus Frequency (Max) (MHz)	8
I/O Pins	26
Internal Flash (Byte)	16384
Internal RAM (Byte)	512
Pulse Width Modulators - Bits (bit)	16
Pulse Width Modulators - Channels	6
Serial Interface - Type	SPI SCI
Standby Function	STOP WAIT
Supply Current (Max) (mA)	85000000
Supply Voltage (Typ) (V)	3.3 5.5
Timers - Channels	2 4
Timers - Size (bit)	16 16