

MC33771ASP1AER2 Information

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General Information

Parameter	Value
Part Number	MC33771ASP1AER2
Description	Battery Cell Controller, NMC, Premium, 14 Channel, SPI, LQFP64, reel
Product Line	G33771
PTI	ANTE
Material Type	Tested Packaged Device
Life Cycle Description (code)	PRODUCT RAPID GROWTH
Status	Active
Application/Qualification Tier	AUTO; >=10 YEARS APPLICATION LIFE

Package Information

Parameter	Value
Package Type and Termination Count	QFP-EP 64
Package Description and Mechanical Drawing	LQFP-EP 64 10*10*1.4P0.5
Device Weight(g)	0.36360
Package Material	Plastic
Mounting Style	Surface Mount
Package Length (nominal)(mm)	10.000
Package Width (nominal)(mm)	10.000
Package Thickness (nominal)(mm)	1.400
Tape & Reel	Yes

Environmental and Compliance Information

Parameter	Value
Pb-Free	
RoHS Compliant	
Halogen Free	Yes
Material Composition Declaration (MCD)	Download MCD Report  Download MCD Report 
RoHS Certificate of Analysis (CoA)	Contact Us
2nd Level Interconnect	e3
Moisture Sensitivity Level (MSL)	3
Floor Life	168 HOURS
Peak Package Body Temperature (PPT)(°C)	260
Maximum Time at Peak Temperature (s)	40
Number of Reflow Cycles	3
REACH SVHC	NXP REACH Statement
UL94 (plastics flammability test)	V0;Burning stops within 10 seconds on a vertical specimen;no drips allowed

Manufacturing Information

Parameter	Value
Micron Size(um)	.27

Ordering Information

Parameter	Value
Minimum Package Quantity (MPQ)	1500
MPQ Container	REEL
Exempt from Minimum Delivery Value	Yes
Preferred Order Quantity (POQ)	1500
POQ Container	REEL
Leadtime (weeks)	21
Export Control Classification Number (US)	EAR99
Harmonized Tariff (US) Disclaimer	8542.39.0000
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US\$) Change Currency	-
Order	

Operating Characteristics

Parameter	Value
Additional Features-Analog	Output Open/Short Diagnostic
Ambient Operating Temperature (Min-Max) (°C)	-40 to 105
Data Rate (Max) (kbps)	4200
Device Function	Li-ion Battery Cell Controller
Interface and Input Control	SPI
Number of Battery Cells	14
Protection	Thermal Shutdown
Sample Exception Availability	N
Supply Voltage (Min-Max) (V)	7.6 to 61.6

Reliability Data Lookup