

# MC33771ASP3AER2 :Part Detail

[Product Summary Page](#) | 
 [General Information](#) | 
 [Package Information](#) | 
 [Environmental and Compliance Information](#) | 
 [Manufacturing Information](#) | 
 [Ordering Information](#) | 
 [Operating Characteristics](#)

## General Information

Part Number	MC33771ASP3AER2
Description	Battery Cell Controller, LFP, Premium, 14 Channel, SPI, LQFP64, reel
Product Line	G33771
PTI	ANTE
Material Type	Tested Packaged Device
<a href="#">Life Cycle Description (code)</a>	PRODUCT RAPID GROWTH
Status	Active
<a href="#">SafeAssure Functional Safety</a>	ISO 26262
<a href="#">Application/Qualification Tier</a>	AUTO; >=10 YEARS APPLICATION LIFE

## Package Information

Package Type and Termination Count	QFP-EP 64
Package Description and Mechanical Drawing	<a href="#">LQFP-EP 64 10*10*1.4P0.5</a>
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

<a href="#">Pb-Free</a>	
<a href="#">RoHS Compliant</a>	
<a href="#">Halogen Free</a>	Yes
<a href="#">Material Composition Declaration (MCD)</a>	<a href="#">Download MCD Report</a> <a href="#">Download MCD Report</a>
<a href="#">RoHS Certificate of Analysis (CoA)</a>	<a href="#">Download RoHS CoA Report</a>

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	<a href="#">NXP REACH Statement</a>
UL94 (plastics flammability test)	V0;Burning stops within 10 seconds on a vertical specimen;no drips allowed

## Manufacturing Information

Micron Size(μm)	.27
-----------------	-----

## Ordering Information

Minimum Package Quantity (MPQ)	1500
MPQ Container	REEL
Exempt from Minimum Delivery Value	Yes
Preferred Order Quantity (POQ)	1500
POQ Container	REEL
Export Control Classification Number (US)	EAR99
Harmonized Tariff (	
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
<a href="#">Budgetary Price excluding tax(US Currency)</a>	-

Order

[Similar Samples](#)

## Operating Characteristics

Additional Features-Analog	Output Open/Short Diagnostic
Ambient Operating Temperature (Min-Max) (°C)	-40 to 105
Data Rate (Max) (Kbps) (Max) (Kbps)	4.2
Device Function	Li-ion Battery Cell Controller
Interface and Input Control	TPL Differential
Number of Battery Cells	14
Protection	Thermal Shutdown

Sample Exception Availability

N

## ABOUT NXP

[Investors](#)  
[Partners](#)  
[Careers](#)

## RESOURCES

[Mobile Apps](#)  
[Press, News, Blogs](#)  
[Contact Us](#)

## FOLLOW US



## News 19 Apr 2017



NXP Semiconductors Divests Stake in  
Advanced Semiconductor  
Manufacturing Corporation Ltd.

[Read More](#)