

# MC34PF3000A8EP :Part Detail

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## General Information

Part Number	MC34PF3000A8EP
Description	Power Management IC, i.MX7, pre-prog, 4 buck, 6 LDO, 1 boost, QFN 48, Tray
Product Line	G32PF300
PTI	ANPG
Material Type	Tested Packaged Device
<a href="#">Life Cycle Description (code)</a>	PRODUCT RAPID GROWTH
Status	Active
<a href="#">Application/Qualification Tier</a>	5-YEARS APPLICATION LIFE

## Package Information

Package Type and Termination Count	QFN-EP 48
Package Description and Mechanical Drawing	<a href="#">QFN-EP 48 7*7*0.85 P0.5</a>
Device Weight(g)	0.13950
Package Length (nominal)(mm)	7.000
Package Width (nominal)(mm)	7.000
Package Thickness (nominal)(mm)	0.850
Tape & Reel	No

## Environmental and Compliance Information

Pb-Free	
RoHS Compliant	
Halogen Free	Yes
<a href="#">Material Composition Declaration (MCD)</a>	<a href="#">Download MCD Report</a> <a href="#">Download MCD Report</a>
RoHS Certificate of Analysis (CoA)	<a href="#">Download RoHS CoA Report</a>
<a href="#">2nd Level Interconnect</a>	e3
Moisture Sensitivity Level (MSL)	3
Floor Life	168 HOURS
<a href="#">Peak Package Body Temperature</a>	260

(PPT)(°C)

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)	.13
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## Ordering Information

Minimum Package Quantity (MPQ)	260
MPQ Container	TRAY
Exempt from Minimum Delivery Value	Yes
Preferred Order Quantity (POQ)	1300
POQ Container	BOX
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>	1000 @ US each

Order

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## Operating Characteristics

Additional Features - Power Management	RTC USB Supply Voltage USB-OTG
Ambient Operating Temperature (Min-Max) (°C)	-40 to 105
Battery Charger	Coin cell
Device Function	Configurable PMICs PMICs for i.MX Processors
Interface and Input Control	I2C
MCU Supported	i.MX6UL i.MX6ULL
Num. of Linear/LDO Regulators	6
Number of Regulators-Boost Switching	1

Switching

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Protection

Current Limit  
Overtemperature  
Overvoltage Detection

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Sample Exception Availability

N

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