



80HCPS1848RMI

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Customer Support / Technical Support

DESCRIPTION

S-RIO GEN 2

Generic Part:

80HCPS1848

Category:

RapidIO Switches

PARAMETERS

S-RIO Specification	2.1
Throughput	240 Gbps
Max 4x Ports	12
Max 2x Ports	18
Max 1x Ports	18
Cut Through Latency	100 ns
RapidIO Error Mgmt. Extensions	Yes
PACKAGE_DESC	
Multicast Architecture	Yes
No. of Multicast Masks	40
Packet Trace/Mirror/Filter	Yes
Prog. Pre-emphasis per Port	Yes
Prog. Rec. Equal. per Port	Yes
On-Die Scope Capability	Yes
Indep. Port & MAC Shutdown	Yes
RapidIO Sys.Model Tool Support	Yes
Temperature	I
Voltage	1.0 V
Speed	NA

PACKAGE

Package	FCBGA 784 (RM784)
Description	FLIP CHIP BGA 29 X 29 MM 1.0 MM PITCH
Status	Active
Class	PLASTIC
Category	RoHS
Pb (Lead) Free	No
Pb Free Category	
Mark	RM
Package Type	FCBGA
Lead Count	784
Length	29.0 mm

Width	29.0 mm
Thickness	2.75 mm
Pitch	1.0 mm
Tube / Tray	TRAY
Quantity per Tube/Tray	36
Quantity per Reel	350
Moisture Sensitivity Level (MSL)	4
Moisture Exposure Floor Life	72hrs@<30C/60%R
Peak Reflow Temperature	250°C
Rebake Conditions	48hrs@125C
Related Package Documents	view documents

DOCUMENTS

Type	Title	Size	Revision Date
Flyer	IDT Serial RapidIO Gen2 Portfolio Overview Flyer	4128 KB	05/18/2011
	IDT Design Tip: Applications for S-RIO Gen2	541 KB	05/12/2011
	IDT S-RIO Switch Feature Comparison Chart	138 KB	03/29/2011
	Wireless Infrastructure Solutions Flyer	214 KB	10/17/2008
Product Brief	IDT RapidIO Gen 2 System Modeling Tool product brief	915 KB	05/20/2011
	+See More Docs IDT Tsi564A Product Brief	398 KB	04/25/2011
	IDT Tsi568A Product Brief	438 KB	04/25/2011
	IDT Tsi572 Product Brief	378 KB	04/25/2011
	IDT Tsi574 Product Brief	398 KB	04/25/2011
	IDT Tsi576 Product Brief	389 KB	04/25/2011
	IDT Tsi577 Product Brief	400 KB	04/25/2011
	IDT Tsi578 Product Brief	445 KB	04/25/2011
	IDT Tsi620 Product Brief	357 KB	04/25/2011
	IDT CPS-1432 Product Brief	1211 KB	03/29/2011
White Paper	IDT S-RIO white paper: RapidIO Gen2 Technology	1584 KB	11/11/2009
	IDT S-RIO White paper: New Time-Saving GUI for Serial RapidIO® Designs	1969 KB	10/22/2009

DISTRIBUTOR INVENTORY

Part	Distributor	Qty	Date	RFQ	Order
80HCPS1848RMI	AVNET ELECTRONICS MARKETING	26	08/21/2011	Quote	Buy Now

CONTACTS

Sales Offices

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Technical Support

Serial RapidIO®

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- ▶ [Email: srio@idt.com](mailto:srio@idt.com)