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## PRODUCTS

APPLICATIONS

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DESIGN

SUPPORT

COMPANY

# MC07XS6517DEK

## Active

Fully qualified to meet NXP quality and reliability requirements. Available for production quantity orders.

## Features

High-Side Switch, 12V, Triple 7mOhm + Dual 17mOhm, SOICEP 54, Rail.

Data Sheet

Product Summary (/products/power-management/smart-switches-and-drivers/high-side-switches/external-automotive-lighting-multi-channel-extreme-switch:MC12XS6)

Tools and Software (/products/power-management/smart-switches-and-drivers/high-side-switches/external-automotive-lighting-multi-channel-extreme-switch:MC12XS6?fsp=1&tab=Design\_Tools\_Tab)

Documentation (/products/power-management/smart-switches-and-drivers/high-side-switches/external-automotive-lighting-multi-channel-extreme-switch:MC12XS6?fsp=1&tab=Documentation\_Tab)



## Package

HSOP54 (/packages/SOT1747-2)

HSOP54, plastic, heatsink small outline package; W/B, tooth gap design, 54 terminals; 0.65 mm pitch; 4.6 mm x 10.4 mm exposed pad.



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[Environmental](#)

[Quality](#)

[Shipping](#)

# Buy Options

## MC07XS6517DEK

**12NC:** 934072395574

**Active**

**Packing:** TUBE-Tube in Drypack

**Min. Package Quantity:** 26

**Min. Order Quantity:** 26

**Lead Time:** 30

**1K @ US**

**\$2.88**

DISTRIBUTOR

> Available Distributors: MC07XS6517DEK

## MC07XS6517DEKR2

**12NC:** 934072395518

**Active**

**Packing:** REEL-Reel 13" Q1/T1 in Drypack

**Min. Package Quantity:** 1000

**Min. Order Quantity:** 1000

**Lead Time:** 34

**1K @ US**

**\$2.88**

DISTRIBUTOR

> Available Distributors: MC07XS6517DEKR2

# Operating Features

Parameter	Value
Device Function	high side switch
Load Current (IL) [TYP] (A)	5.5,11
Load Current (IL) [MAX] (A)	9,18
Number of Channels	2,3
Drain-to-Source On Resistance (Typ) (mOhm) (RDS(ON))	7,17



Parameter	Value
Load Supply Voltage (Min) (V)	7

Parameter	Value
Load Supply Voltage (Max) (V)	18
Supply voltage [max] (V)	5.5
Supply voltage [min] (V)	4.5
SPI [bits]	16
Interface and Input Control	Direct from input,SPI
Ambient Operating Temperature (Min to Max) (°C)	-40 to 125

## Environmental

Part/12NC	Pb-Free	EU RoHS	Halogen Free	RHF Indicator (/about/abnpx/about-nxp/corporate-responsibility/environment-compliance-organizator-products-faqs:ENVIRON_FAQ#rhf
MC07XS6517DEK(/webapp/chemical-content/934072395574.html) (934072395574)	Yes	Yes Certificate Of Analysis (CoA) (/webapp/chemical-content/934072395574.html#coa)	Yes	D
MC07XS6517DEKR2(/webapp/chemical-content/934072395518.html) (934072395518)	Yes	Yes Certificate Of Analysis (CoA) (/webapp/chemical-content/934072395518.html#coa)	Yes	D

## Quality

Part/12NC	Safe Assure Functional Safety	Moisture Sensitivity Level (MSL)	Peak Package Body Temperature (PPT) (C°)	Maximum Time at Peak Temperatures (s)
		Lead Free Soldering	Lead Free Soldering	Lead Free Soldering
MC07XS6517DEK(/webapp/chemical-content/934072395574.html) (934072395574)	No	3	260	40



Part/12NC	Safe Assure Functional Safety	Moisture Sensitivity Level (MSL)	Peak Package Body Temperature (PPT) (C°)	Maximum Time at Peak Temperatures (s)
		Lead Free Soldering	Lead Free Soldering	Lead Free Soldering
MC07XS6517DEKR2(/webapp/chemical-content/934072395518.html) (934072395518)	No	3	260	40

## Shipping

Part/12NC	Harmonized Tariff (US) Disclaimer (/webapp/sps/site/harmTariffDisclaim.jsp)	Export Control Classification Number (US)
MC07XS6517DEK(/webapp/chemical-content/934072395574.html) (934072395574)	854239	EAR99
MC07XS6517DEKR2(/webapp/chemical-content/934072395518.html) (934072395518)	854239	EAR99

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