



### **ISL84521IV Information**



For Reference Only

Part Number ISL84521IV Manufacturer Intersil

Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

**Demultiplexers** 

**Description** IC SWITCH QUAD SPST 16TSSOP **Package** 16-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **ISL84521IV Specifications**

Manufacturer Part Number         ISL84521IV           Manufacturer         Intersil           Category         Integrated Circuits (ICs)           Interface - Analog Switches, Multiplexers, Demultiplexers           Package         16-TSSOP (0.173", 4.40mm Width)           Series         -           Switch Circuit         SPST - NC           Multiplexer/Demultiplexer Circuit         1:1           Number of Circuits         4           On-State Resistance (Max)         100 Ohm           Channel-to-Channel Matching (Ron)         1 Ohm           Voltage - Supply, Single (V+)         2 V ~ 12 V           Voltage - Supply, Dual (V±)         ±2 V ~ 6 V           Switch Time (Ton, Toff) (Max)         80ns, 30ns           -3db Bandwidth         -           Charge Injection         1pC           Channel Capacitance (CS(off), CD(off))         2pF, 2pF           Current - Leakage (IS(off)) (Max)         InA           Crosstalk         -90dB @ 100kHz           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         16-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         16-TSSOP	•	
Category         Integrated Circuits (ICs)           Package         16-TSSOP (0.173", 4.40mm Width)           Series         -           Switch Circuit         SPST - NC           Multiplexer/Demultiplexer Circuit         1:1           Number of Circuits         4           On-State Resistance (Max)         100 Ohm           Channel-to-Channel Matching (Ron)         1 Ohm           Voltage - Supply, Single (V+)         2 V ~ 12 V           Voltage - Supply, Dual (V±)         ±2 V ~ 6 V           Switch Time (Ton, Toff) (Max)         80ns, 30ns           -3db Bandwidth         -           Charge Injection         1pC           Channel Capacitance (CS(off), CD(off))         2pF, 2pF           Current - Leakage (IS(off)) (Max)         1nA           Crosstalk         -90dB @ 100kHz           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         16-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         16-TSSOP	Manufacturer Part Number	ISL84521IV
Package         16-TSSOP (0.173", 4.40mm Width)           Series         -           Switch Circuit         SPST - NC           Multiplexer/Demultiplexer Circuit         1:1           Number of Circuits         4           On-State Resistance (Max)         100 Ohm           Channel-to-Channel Matching (Ron)         1 Ohm           Voltage - Supply, Single (V+)         2 V ~ 12 V           Voltage - Supply, Dual (V±)         ±2 V ~ 6 V           Switch Time (Ton, Toff) (Max)         80ns, 30ns           -3db Bandwidth         -           Charge Injection         1pC           Channel Capacitance (CS(off), CD(off))         2pF, 2pF           Current - Leakage (IS(off)) (Max)         1nA           Crosstalk         -90dB @ 100kHz           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         16-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         16-TSSOP	Manufacturer	Intersil
Package         16-TSSOP (0.173", 4.40mm Width)           Series         -           Switch Circuit         SPST - NC           Multiplexer/Demultiplexer Circuit         1:1           Number of Circuits         4           On-State Resistance (Max)         100 Ohm           Channel-to-Channel Matching (Ron)         1 Ohm           Voltage - Supply, Single (V+)         2 V ~ 12 V           Voltage - Supply, Dual (V±)         ±2 V ~ 6 V           Switch Time (Ton, Toff) (Max)         80ns, 30ns           -3db Bandwidth         -           Charge Injection         1pC           Channel Capacitance (CS(off), CD(off))         2pF, 2pF           Current - Leakage (IS(off)) (Max)         1nA           Crosstalk         -9odB @ 100kHz           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         16-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         16-TSSOP	Category	Integrated Circuits (ICs)
Series         -           Switch Circuit         SPST - NC           Multiplexer/Demultiplexer Circuit         1:1           Number of Circuits         4           On-State Resistance (Max)         100 Ohm           Channel-to-Channel Matching (Ron)         1 Ohm           Voltage - Supply, Single (V+)         2 V ~ 12 V           Voltage - Supply, Dual (V±)         ±2 V ~ 6 V           Switch Time (Ton, Toff) (Max)         80ns, 30ns           -3db Bandwidth         -           Charge Injection         1pC           Channel Capacitance (CS(off), CD(off))         2pF, 2pF           Current - Leakage (IS(off)) (Max)         1nA           Crosstalk         -90dB @ 100kHz           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         16-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         16-TSSOP		Interface - Analog Switches, Multiplexers, Demultiplexers
Switch CircuitSPST - NCMultiplexer/Demultiplexer Circuit1:1Number of Circuits4On-State Resistance (Max)100 OhmChannel-to-Channel Matching (Ron)1 OhmVoltage - Supply, Single (V+)2 V ~ 12 VVoltage - Supply, Dual (V±)±2 V ~ 6 VSwitch Time (Ton, Toff) (Max)80ns, 30ns-3db Bandwidth-Charge Injection1pCChannel Capacitance (CS(off), CD(off))2pF, 2pFCurrent - Leakage (IS(off)) (Max)1nACrosstalk-90dB @ 100kHzOperating Temperature-40°C ~ 85°C (TA)Package / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	Package	16-TSSOP (0.173", 4.40mm Width)
Multiplexer/Demultiplexer Circuit  Number of Circuits  4  On-State Resistance (Max)  Channel-to-Channel Matching (Ron)  Voltage - Supply, Single (V+)  Voltage - Supply, Dual (V±)  Switch Time (Ton, Toff) (Max)  -3db Bandwidth  -Channel Capacitance (CS(off), CD(off))  Channel Capacitance (CS(off), Max)  InA  Crosstalk  -90dB @ 100kHz  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  16-TSSOP (0.173", 4.40mm Width)  Supplier Device Package	Series	-
Number of Circuits  On-State Resistance (Max)  Channel-to-Channel Matching (Ron)  Voltage - Supply, Single (V+)  Voltage - Supply, Dual (V±)  Switch Time (Ton, Toff) (Max)  -3db Bandwidth  -Charge Injection  Channel Capacitance (CS(off), CD(off))  Channel Capacitance (CS(off))  Current - Leakage (IS(off)) (Max)  Crosstalk  -90dB @ 100kHz  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  16-TSSOP (0.173", 4.40mm Width)  Supplier Device Package	Switch Circuit	SPST - NC
On-State Resistance (Max)  Channel-to-Channel Matching (Ron)  Voltage - Supply, Single (V+)  Voltage - Supply, Dual (V±)  Switch Time (Ton, Toff) (Max)  -3db Bandwidth  - Charge Injection  Channel Capacitance (CS(off), CD(off))  Current - Leakage (IS(off)) (Max)  Crosstalk  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  16-TSSOP (0.173", 4.40mm Width)  Supplier Device Package	Multiplexer/Demultiplexer Circuit	1:1
Channel-to-Channel Matching (Ron)  Voltage - Supply, Single (V+)  2 V ~ 12 V  Voltage - Supply, Dual (V±)  5 witch Time (Ton, Toff) (Max)  -3db Bandwidth  - Charge Injection  Channel Capacitance (CS(off), CD(off))  Current - Leakage (IS(off)) (Max)  Crosstalk  -90dB @ 100kHz  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  16-TSSOP (0.173", 4.40mm Width)  Supplier Device Package	Number of Circuits	4
Voltage - Supply, Single (V+) $2 \ V \sim 12 \ V$ Voltage - Supply, Dual (V $\pm$ ) $\pm 2 \ V \sim 6 \ V$ Switch Time (Ton, Toff) (Max) $80ns, 30ns$ -3db Bandwidth $-$ Charge Injection $1pC$ Channel Capacitance (CS(off), CD(off)) $2pF, 2pF$ Current - Leakage (IS(off)) (Max) $1nA$ Crosstalk $-90dB \ @ 100kHz$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C \ (TA)$ Package / Case $16-TSSOP \ (0.173'', 4.40mm \ Width)$ Supplier Device Package	On-State Resistance (Max)	100 Ohm
Voltage - Supply, Dual (V±) ±2 V ~ 6 V  Switch Time (Ton, Toff) (Max) 80ns, 30ns  -3db Bandwidth -  Charge Injection 1pC  Channel Capacitance (CS(off), CD(off)) 2pF, 2pF  Current - Leakage (IS(off)) (Max) 1nA  Crosstalk -90dB @ 100kHz  Operating Temperature -40°C ~ 85°C (TA)  Package / Case 16-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 16-TSSOP	Channel-to-Channel Matching (Ron)	1 Ohm
Switch Time (Ton, Toff) (Max)  -3db Bandwidth  -Charge Injection  1pC  Channel Capacitance (CS(off), CD(off))  2pF, 2pF  Current - Leakage (IS(off)) (Max)  1nA  Crosstalk  -90dB @ 100kHz  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  16-TSSOP (0.173", 4.40mm Width)  Supplier Device Package	Voltage - Supply, Single (V+)	2 V ~ 12 V
-3db Bandwidth - 1pC Charge Injection 1pC Channel Capacitance (CS(off), CD(off)) 2pF, 2pF Current - Leakage (IS(off)) (Max) 1nA Crosstalk -90dB @ 100kHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package 16-TSSOP	Voltage - Supply, Dual (V±)	±2 V ~ 6 V
Charge Injection 1pC  Channel Capacitance (CS(off), CD(off)) 2pF, 2pF  Current - Leakage (IS(off)) (Max) 1nA  Crosstalk -90dB @ 100kHz  Operating Temperature -40°C ~ 85°C (TA)  Package / Case 16-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 16-TSSOP	Switch Time (Ton, Toff) (Max)	80ns, 30ns
Channel Capacitance (CS(off), CD(off))  2pF, 2pF  Current - Leakage (IS(off)) (Max)  1nA  Crosstalk  -90dB @ 100kHz  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  16-TSSOP (0.173", 4.40mm Width)  Supplier Device Package	-3db Bandwidth	-
Current - Leakage (IS(off)) (Max)  Crosstalk  -90dB @ 100kHz  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  16-TSSOP (0.173", 4.40mm Width)  Supplier Device Package	Charge Injection	1pC
Crosstalk -90dB @ 100kHz  Operating Temperature -40°C ~ 85°C (TA)  Package / Case 16-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 16-TSSOP	Channel Capacitance (CS(off), CD(off))	2pF, 2pF
Operating Temperature -40°C ~ 85°C (TA)  Package / Case 16-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 16-TSSOP	Current - Leakage (IS(off)) (Max)	1nA
Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package 16-TSSOP	Crosstalk	-90dB @ 100kHz
Supplier Device Package 16-TSSOP	Operating Temperature	-40°C ~ 85°C (TA)
	Package / Case	16-TSSOP (0.173", 4.40mm Width)
Report errors?	Supplier Device Package	16-TSSOP
		Report errors?

#### **ISL84521IV** Guarantees



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

# **ISL84521IV Payment Methods**



















## **ISL84521IV Shipping Methods**













If you have any question about ISL84521IV, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com