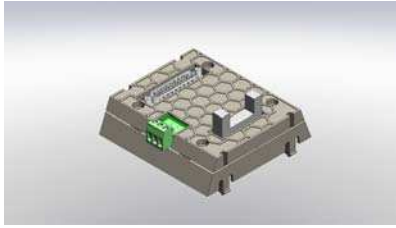


SKiiP4 SKiFace Adapter Temp



SKiFace Adapter Board

SKiiP4 SKiFace Adapter Temp

Features

- Adapter Board for controlling SKiiP4 systems with SKiiP3 controller
- Handling PWM clock signals from controller to SKiiP4 driver
- Handling error message from SKiiP4 driver to controller
- Handling analogue signals from SKiiP4 driver to controller (current and temperature)
- 15V power supply output for external devices is not available
- RoHS compliant
- PCB coated with varnish

Remarks

For further information please refer to Technical Explanation SKiFace Adapter Board and to SKiiP@4 Technical Explanation

Footnotes

¹⁾ Supply voltage for SKiiP

²⁾ Operation temperature is ambient temperature around the board. Please note: by operation temperature near 85°C the life time of the product is reduced

³⁾ Current consumption for SKiFace Adapter only

Absolute Maximum Ratings			
Symbol	Conditions	Values	Unit
V_{S2}	Power supply ¹⁾	19.2 ... 28.8	V
T_{op}	Operating temperature ²⁾	-40 ... 85	°C
T_{stg}	Storage temperature	-40 ... 85	°C
V_{iH}	Input signal voltage (HIGH)	V_{S2}	V

Characteristics					
Symbol	Conditions	min.	typ.	max.	Unit
V_{S2}	Power supply	19.2	24	28.8	V
I_{S0}	Supply current (no load) ³⁾		54		mA
I_S	Supply current (max load) ³⁾		60		mA
V_{IT+}	Input threshold voltage (HIGH)	11.8			V
V_{IT-}	Input threshold voltage (LOW)			2.3	V
$t_{d(ON)O}$	Input-output turn-on signal propagation time		0.15		µs
$t_{d(OFF)O}$	Input-output turn-off signal propagation time		0.1		µs
$t_{d(Err)}$	Error input-output propagation time		40		µs
R_{iN}	Input resistance of TOP_IN/BOT_IN		10		kΩ
C_{iN}	Input capacitance of TOP_IN/BOT_IN		1		nF
w	weight with housing		135		g
MTBF	Mean Time Between Failure @ $T_a = 40^\circ\text{C}$		1.34		10 ⁶ h
HxWxD	Dimensions		101x97 x26		mm

This is an electrostatic discharge sensitive device (ESDS), international standard IEC 60747-1, Chapter IX

* The specifications of our components may not be considered as an assurance of component characteristics. Components have to be tested for the respective application. Adjustments may be necessary. The use of SEMIKRON products in life support appliances and systems is subject to prior specification and written approval by SEMIKRON. We therefore strongly recommend prior consultation of our staff.