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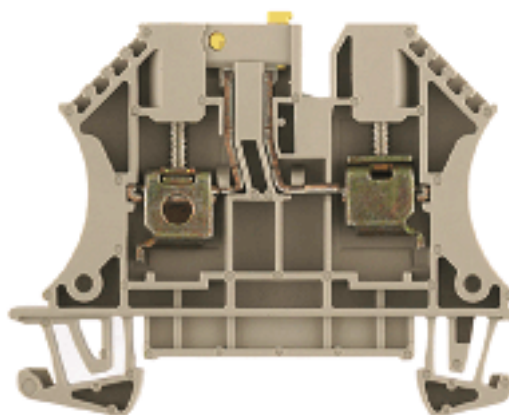
What is "[Embedded - Microcontrollers](#)"?

"[Embedded - Microcontrollers](#)" refer to small, integrated circuits designed to perform specific tasks within larger systems. These microcontrollers are essentially compact computers on a single chip, containing a processor core, memory, and programmable input/output peripherals. They are called "embedded" because they are embedded within electronic devices to control various functions, rather than serving as standalone computers. Microcontrollers are crucial in modern electronics, providing the intelligence and control needed for a wide range of applications.

Applications of "[Embedded - Microcontrollers](#)"

Details

Product Status	Active
Core Processor	ARM® Cortex®-M4
Core Size	32-Bit Single-Core
Speed	120MHz
Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, SD, SPI, UART/USART, USB, USB OTG
Peripherals	DMA, I ² S, LVD, POR, PWM, WDT
Number of I/O	66
Program Memory Size	512KB (512K x 8)
Program Memory Type	FLASH
EEPROM Size	4K x 8
RAM Size	192K x 8
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V
Data Converters	A/D 32x16b; D/A 1x12b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)
Mounting Type	Surface Mount
Package / Case	100-LQFP
Supplier Device Package	100-LQFP (14x14)
Purchase URL	https://www.e-xfl.com/product-detail/nxp-semiconductors/mk64fx512vll12



General ordering data

Order No.	7910210000
Part designation	WTR 4 STB
Version	Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35
EAN	4008190576851
Qty.	50 pc(s).

Product notes

Product description	Modular disconnect terminals enable circuits to be quickly isolated from the supply so that, for example, maintenance or repair work can be carried out.
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2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Solid, min.	0.5 mm ²
Solid, max.	1.5 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	1.5 mm ²
Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	1.5 mm ²

Additional technical data

Colour of insulating material	dark beige
Connection direction	on side
End plate required	Yes
Explosion-tested version "Ex e"	No
Installation advice	TS 35
Insulating material	Wemid
Levels cross-connected internally	No
No. of identical terminals	1
No. of levels	1
No. of terminal strips per level	2

Additional technical data

Open sides	right
Operating temperature range	- 50 °C, + 120 °C
Product family	W-Series
Type of connection	Screwed
Type of mounting	Snap-on
UL 94 flammability rating of insulation material	V-0
Version	Test-disconnect terminals

CSA rating data

Voltage (CSA)	300 V
CSA current	10 A
Min. cross-section (CSA)	AWG 22
Max. cross-section (CSA)	AWG 10

Conductors for clamping (additional connection)

Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	4 mm ²

Conductors for clamping (rated connection)

Clamping range, min.	0.22 mm ²
Clamping range, max.	6 mm ²
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	13 mm
Clamping screw	M 3
Blade size	0.6 x 3.5 mm
Tightening torque range	0.5...0.6 Nm
Torque level with DMS electric screwdriver	2
Gauge to IEC 60947-1	A4
Solid, min.	0.5 mm ²
Solid, max.	6 mm ²
Stranded, min.	1.5 mm ²
Stranded, max.	6 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	4 mm ²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	4 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	4 mm ²
AWG conductor size, min.	AWG 22
AWG conductor size, max.	AWG 10
AWG conductor size, min.	0.33 mm ²
AWG conductor size, max.	5.26 mm ²

Dimensions

Width	6.1 mm
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Dimensions

Height of lowest version	48.6 mm
Length	60 mm
TS 35 offset	32 mm

Disconnect terminals

Cross-disconnect	without
Integral test socket	Yes
Slitting	without
Torque level with DMS electric screwdriver	2

Rating data

Rated cross-section	4 mm ²
Rated voltage	400 V
Rated impulse voltage	6 kV
Rated current	32 A
Standards	IEC 60947-7-1
Current with max. conductor	32 A
Pollution severity	3

UL rating data

Voltage (UL)	600 V
Current (UL)	22 A
Min. cross-section (UL)	AWG 22
Max. cross-section (UL)	AWG 10

Approvals

Approvals institutes

**Downloads**

STEP	7910210000_31508_WTR4_STB_STP.stp
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Classifications

ETIM 2.0	EC000902
ETIM 3.0	EC000902
eClass 4.1	27-14-11-17
eClass 5.0	27-14-11-26
eClass 5.1	27-14-11-26

Similar products

Order No.	Part designation	Version
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1855610000	WTR 2.5	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, beige, TS 35
1014700000	WTR 2.5 D 2STB 7.5/2.3	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1961750000	WTR 2.5 D+ 2STB 6.9/2.3	
1014600000	WTR 2.5 D 2STB 7.5/2.3	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1964810000	WTR 2.5 D- 2STB 6.9/2.3	
1011120000	WTR 2.5 GE	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, yellow, TS 35
1011130000	WTR 2.5 GN	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, green, TS 35
1011150000	WTR 2.5 GR	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, grey, TS 35
1878530000	WTR 2.5 OR	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, Orange, TS 35
1011140000	WTR 2.5 RT	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Polyamide, red, TS 35
1013000000	WTR 2.5 STB2.0	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1011200000	WTR 2.5 STB2.3	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1011280000	WTR 2.5 STB2.3 BL	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, blue/light blue, TS 35
1011220000	WTR 2.5 STB2.3 GE	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, yellow, TS 35
1011240000	WTR 2.5 STB2.3 RT	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Polyamide, red, TS 35
1011210000	WTR 2.5 STB2.3 SW	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Polyamide, black, TS 35
1011110000	WTR 2.5 SW	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Polyamide, black, TS 35
1013200000	WTR 2.5/D+ STB2.3	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1013600000	WTR 2.5/D-	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1013300000	WTR 2.5/D- STB2.3	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1013700000	WTR 2.5/D/DRBR	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1012900000	WTR 2.5/D/O.TNHE	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1012800000	TR 2.5/O.TNHE STB2.3	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1039900000	WTR 2.5/ZZ	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
1039980000	WTR 2.5/ZZ BL	Disconnect and modular disconnect terminal, 2.5 mm ² , Screw connection, Wemid, blue/light blue, TS 35
7910180000	WTR 4	Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35
7910190000	WTR 4 BL	Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, Wemid, blue, TS 35

7910220000	WTR 4 STB BL	Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, Wemid, blue, TS 35
1905080000	WTR 4/ZR	Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, Wemid, dark beige
1905110000	WTR 4/ZR STB	Disconnect and modular disconnect terminal, 4 mm ² , Wemid, dark beige, TS 35
1905090000	WTR 4/ZZ	Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, Wemid, dark beige
1905100000	WTR 4/ZZ STB	Disconnect and modular disconnect terminal, 4 mm ² , Wemid, dark beige, TS 35