



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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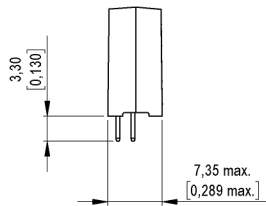
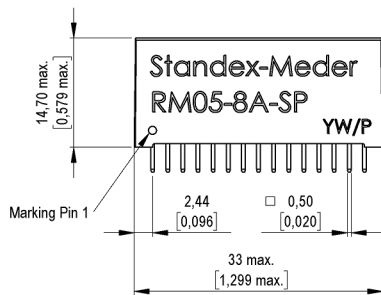
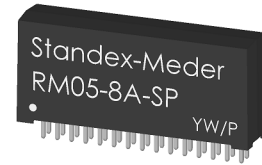
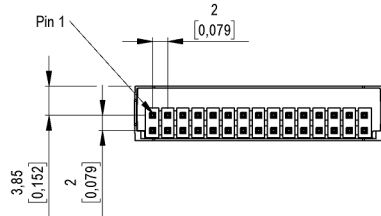
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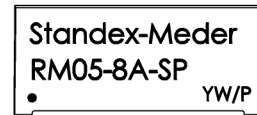


Dimensions mm[inch]
 tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m

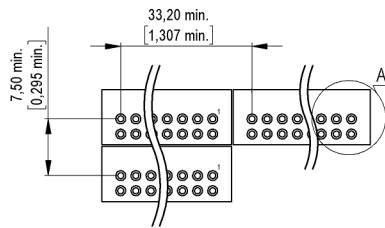
Isometric
 Scale 1:2
 Maßstab 1:2



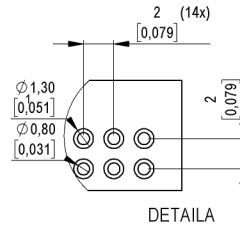
Marking
 according to EN60062/Factory code
 gem. EN60062/Fertigungsstätte



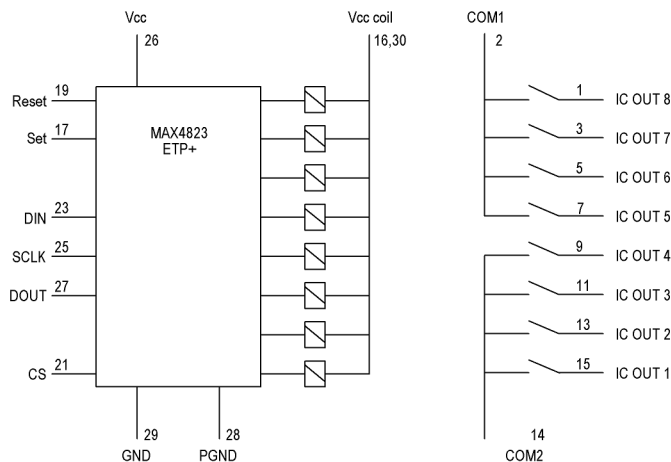
Recommended Matrix Layout



Recommended PCB Pad Layout



Block diagram





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Item No.:

9605080022

Item:

RM05-8A-SP

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		450	500	550	Ohm
Nominal voltage			5		VDC
Operating voltage		4,75	5	5,25	VDC
Coil current		9	10	11	mA

Contact data 80	Conditions	Min	Typ	Max	Unit
Contact-rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage	DC or Peak AC			100	V
Switching current	DC or Peak AC			0,5	A
Carry current	DC or Peak AC			0,5	A
Contact resistance static	Measured with 40% overdrive Start Value			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			GOhm
Breakdown voltage	according to EN 60255-5	210			VDC
Operate time incl. bounce	measured with 40% overdrive			0,3	ms
Capacitance	@ 10 kHz above open switch		0,1		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Standby current			0,1		mA
Number of contacts			8		
Dielectric Strength Coil/Contact	according to EN 60255-5	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC Measuring Voltage	100			GOhm
Capacity Coil/Contact	@ 10 kHz		0,2		pF
Housing material			Epoxy		
Material connection pads			Phosphor Bronze (tinned)		
Magnetic Shield			yes		
Reach / RoHS conformity			yes		
Remarks			IC= 8-Kanal relay driver MAX4823		

Environmental data	Conditions	Min	Typ	Max	Unit
Operating temperature		-20		85	°C
Storage temperature		-35		100	°C
Soldering Temperature Tsold	Reflow acc.IPC/JEDEC J-STD-020D.1			260	°C
Washability			fully sealed		

General data	Conditions	Min	Typ	Max	Unit
Packaging			ESD-Blister per 10 pcs.		

Modifications in the sense of technical progress are reserved

Designed at: 22.07.15 Designed by: THAUKE

Approval at: 12.10.16 Approval by: THAUKE

Last Change at: 25.08.17 Last Change by: THAUKE

Approval at: 28.08.17 Approval by: DSTASTNY

Version: 3