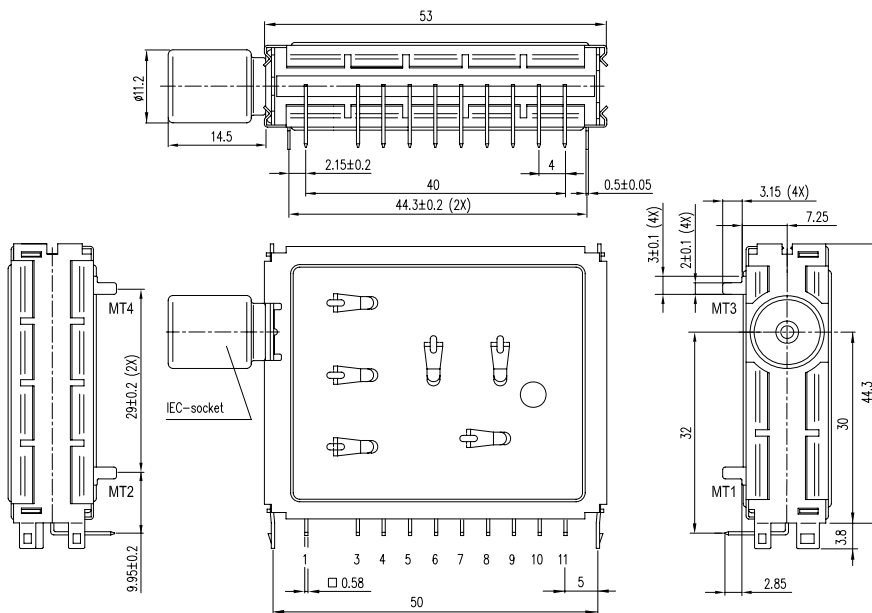


PIN	SYMBOL
1	AGC
3	AS
4	SCL
5	SDA
6	n.c.
7	V <sub>S</sub>
8	n.c.
9	V <sub>ST</sub>
10	IF output / GND
11	IF output

### Mechanical outline. Vertical mounting



### Mechanical outline. Horizontal mounting (type -...D)

#### ➤ Features

- Member of the KS-H-130/140 family small sized VHF/Hyperband/UHF tuner
- Systems CCIR: B/G, H
- Digitally controlled (PLL) tuning via I2C-bus
- Tuner for horizontal and vertical mounting available
- Fast 400kHz I2C-bus protocol compatible with 3.3V and 5V micro controllers

- Off-air channels, S-cable channels and Hyperband
- World standardized mechanical dimensions and world standard pinning
- Weak signal booster (I2C controlled switch able gain amplifier)
- Low power
- Compact size
- Comply to “CENELEC EN55020” and “EN55013”

➤ **Application**

- For TV and VCR

➤ **Electrical data**

Model No		KS-H-146 E, ...DE	KS-H-146 EA, ...EAL, ...DEA
Receiving system		CCIR B/G	
Channel selection system		PLL (I <sup>2</sup> C-bus)	
RF input type		IEC 14.5mm (female) or long IEC 19.0mm (L)	
Input frequency p.c., MHz	VHF-L	48,25-147,25	
	VHF-H	147,25-423,25	
	UHF	431,25-855,25	
Input impedance, $\Omega$		75	
Input VSWR, max		5	
IF output type		Symmetrical	Asymmetrical
Intermediate frequency, MHz	Picture	38,9	
	Sound	33,4	
Power supply, V/mA		5/110	
Tuning voltage supply, V		33	
AGC range (4- 0,3V), dB, min	VHF-L, VHF-H	45	
	UHF	40	
Voltage gain, dB, min		40	
Noise figure, dB, max	VHF-L	8	
	VHF-H, UHF	9	
Image rejection, dB, min	VHF-L	66	
	VHF-H	60	
	UHF	46	
IF rejection, dB, min		65	