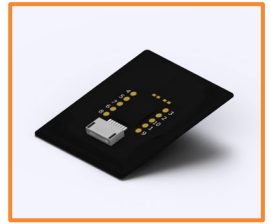
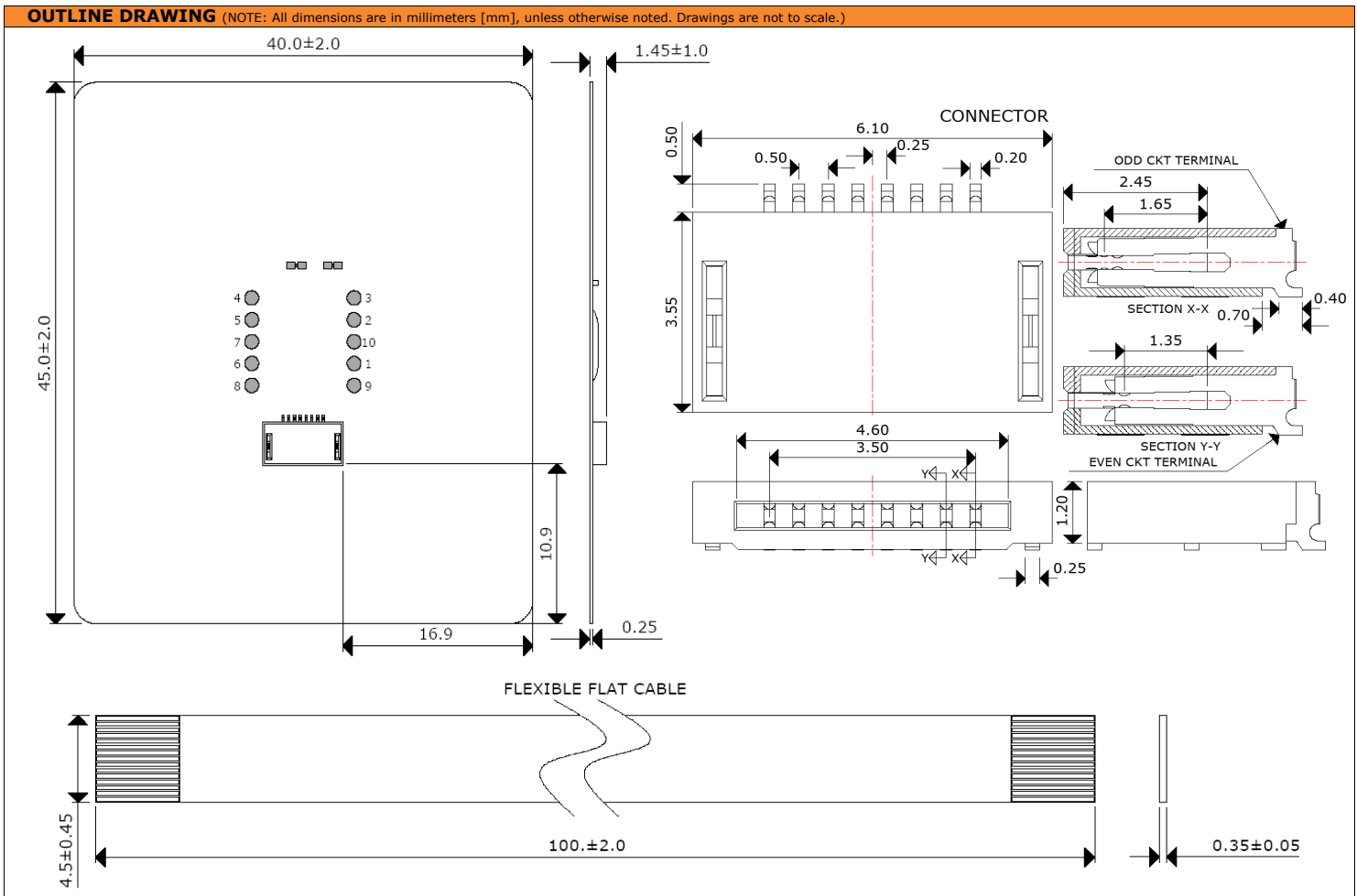


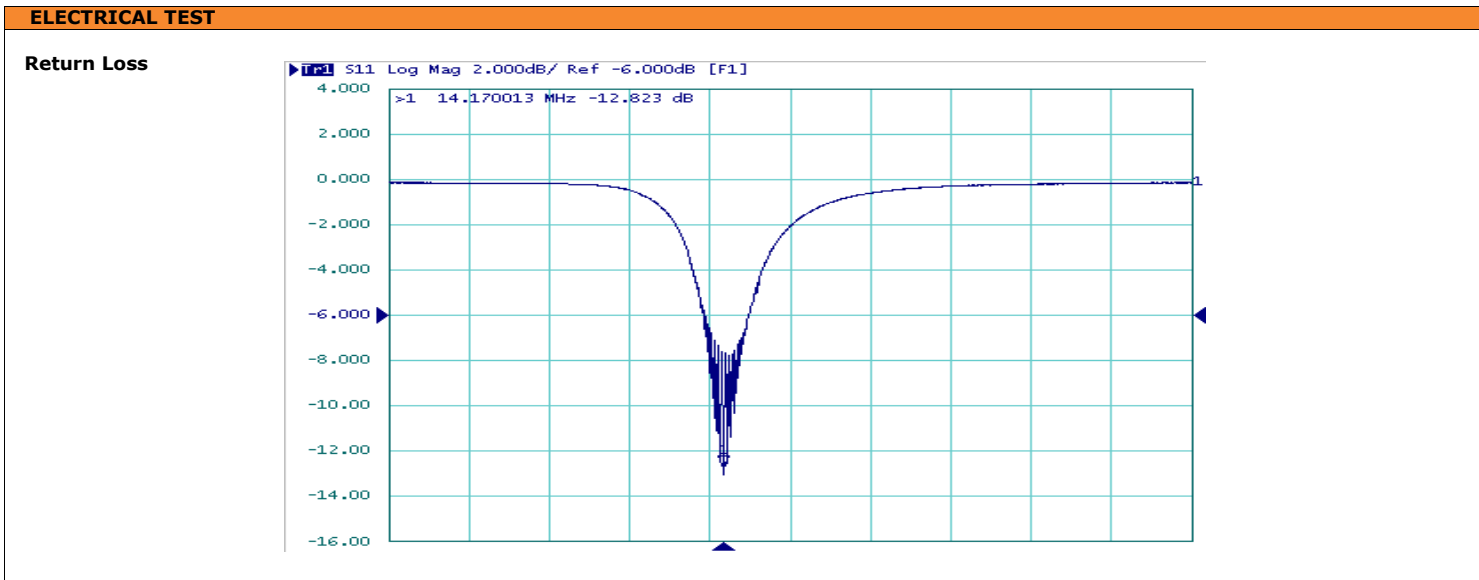
FEATURES	APPLICATIONS
<ul style="list-style-type: none"> - Comes complete with Connector & Flexible Flat Cable - NFC Antenna (Near Field Communications) - Stable And Reliable Performance - 14.17MHz - Halogen-Free - RoHS compliance 	<ul style="list-style-type: none"> - Hand Held Devices When NFC or RFID Functions Are Needed - Data Transfer - Machine To Machine Communication (Short Distance)



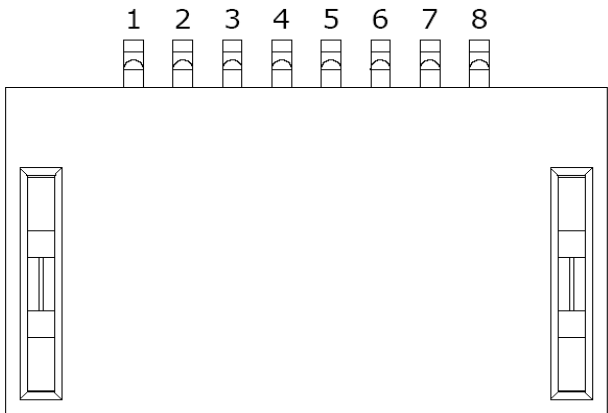
PART NUMBERING GUIDE	
<p>SUNTSU → S AT NF - 45A40A1E5 - NF B3</p> <p>ANTENNA → S AT NF</p> <p>NEAR FIELD → NF</p>	<p>FREQUENCY BAND (MHz) B3: 14.17MHz</p> <p>APPLICATION NF: NFC</p> <p>* PACKAGE SIZE 45A40A1E5: 45.0mm x 40.0mm x 1.45mm</p>
<p>* Where letters denote decimal location A=.0, B=.1, C=.2, etc. Ex: B5=0.15, 3A5=3.05, 9A=9.0 To customize your parameters, contact a Suntsu representative.</p>	

ELECTRICAL PARAMETERS	UNITS	MIN.	TYP.	MAX	REMARKS
Frequency Band	MHz		14.17		
Impedance	Ω		50		
Q-Factor			60		
Operating Temperature	°C	-40		85	





Pin Assignments



Pin Number	Pin Name	Pin Type	Description
P1	VSS	Supply Pad	Ground, die substrate potential
P2	/SS	Digital Input	Serial Peripheral Interface enable (active low)
P3	SCLK		Serial Peripheral Interface clock
P4	MOSI		Serial Peripheral Interface data input
P5	MISO	Digital Output / Tristate	Serial Peripheral Interface data output
P6	/IRQ	Digital Output	Interrupt request output (active low)
P7	VP_SPI	Supply Pad	Positive supply of SPI interface
P8	VP_REG	Analog Output	Regulator output