



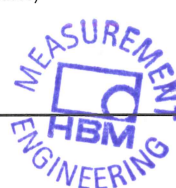
QS Certificate

cert no 153685.20141214.02

referring to report no 1578522 dated 14 Dec 2014

general Allgemein	customer <i>Kunde</i>	Example Inc.
	department <i>Abteilung</i>	production line 3
	contact person <i>Ansprechpartner</i>	A. Sample
	HBM Engineer <i>Prüfer HBM</i>	B. Wenzel
	HBM department <i>Abt. HBM</i>	Measurement Engineering
	qualification <i>Qualifikation</i>	GESA 2636
test process Prüfprozess	component <i>Bauteil</i>	conductor board
	material <i>Material</i>	multilayer
	application <i>Verwendung</i>	X367 control box
	limit value <i>Grenzwert</i>	900µm/m (customer spec)
measurement conditions Messbedingungen	number of pieces <i>Stückzahl</i>	5
	measured processes <i>gemessene Prozesse</i>	force fitting coupler strip ICT test (FL4)
	number of measuring points <i>Anzahl Messstellen</i>	4 per board
	temperature <i>Temperatur</i>	22°C
	method of measure <i>Art der Messung</i>	test rig
measurement equipment Messequipment	strain gauges <i>DMS Typ</i>	1-RY31-3/120
	connection type <i>Verschaltungsart</i>	quarter bridge (rosette)
	cable type <i>Kabel Typ</i>	1-Culd 01
	Cable length <i>Kabellänge</i>	3m
	covering <i>Abdeckung</i>	PU 150
	DAQ system <i>Messverstärker</i>	QuantumX MX1615B
	sample rate <i>Messrate</i>	400 Hz
	filter <i>Filter</i>	none
	DAQ software <i>Messsoftware</i>	Catman Easy AP®
evaluation software <i>Auswertesoftware</i>	nCode Glyph 10.0®	
result Ergebnis	max. value <i>höchster Messwert</i>	830 µm/m
	measurement uncertainty <i>Messunsicherheit</i>	± 7% *
	within limit <i>Grenzwert eingehalten</i>	yes

* based on experience, not specified (unknown material characteristics and influences)
beruht auf Erfahrungen, nicht genau spezifizierbar (unbekannte Materialeigenschaften und Einflüsse)



[Handwritten Signature]

Signature / seal

16 December 2014