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# 25EWR digimatic schnittstelle Analyse



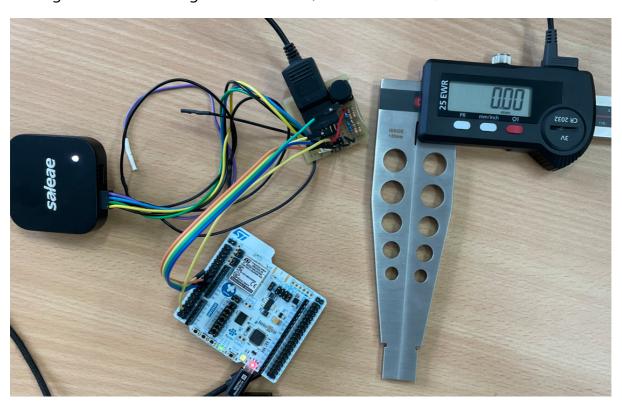
### 1. Messaufbau:

1.1. **18EWR/E** 500mm (Art.: 4112713, sn.: 12040130),

1.2. Digimatic Kabel: Digimatic, Art No. 4102411

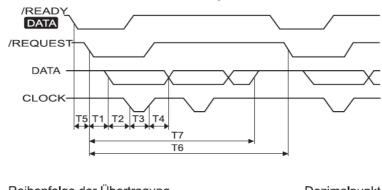
1.3. Messung/Empfänger: Saleae logic Pro 8

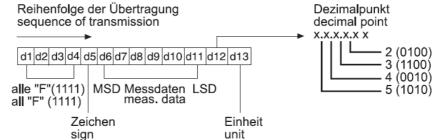
1.4. Signalkonditionierung: 3VDC an DATA, CLOCK und REQUEST



# 2. Interface Beschreibung

#### (Datenblatt: Ba\_3723295\_DK-U-D\_de\_en\_fr\_es\_it\_zh\_0322-1.pdf):





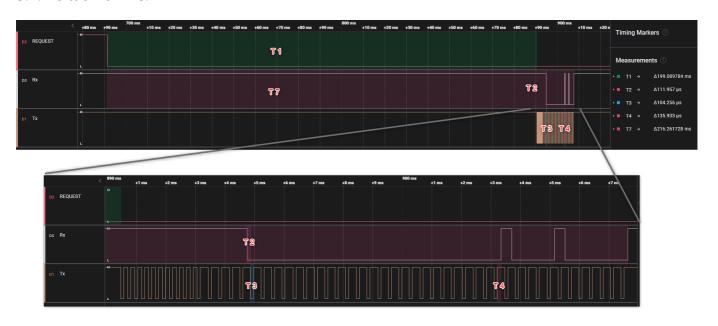
T5 = abhängig von der Leistung des angeschlossenen Datenverarbeitungsgerätes

T5 = depends on the performance of the data processing unit

 $T6 \le 77 \text{ ms}$ 19 ms  $\le T7 \le 57 \text{ ms}$ 

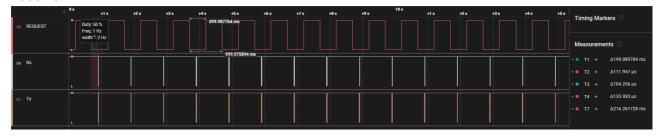
# 3. Messungen:

### 3.1. Zeitaufnahme:

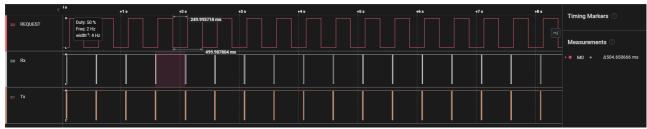


## 3.2. Zeitaufnahme mit Multi-Anforderung:

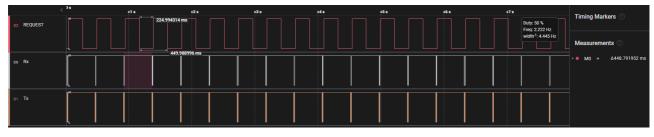
#### • 1000ms:



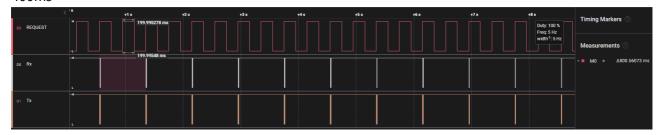
• 500ms



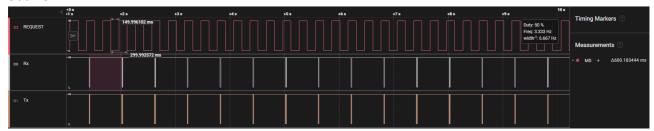
• 450ms



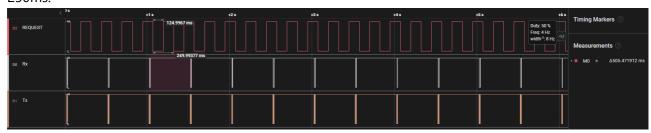
#### • 400ms



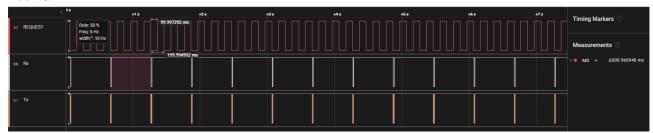
### • 300ms



### • 250ms:



### • 200ms:



# 4. Ergebnis:

Zeit	Тур	Min	Max	lst
T1	-	2 ms	40 ms	200 ms
T2	21 µs	-	-	112 µs
Т3	100 µs	-	-	104 μs
T4	100 µs	-	-	136 µs
Т6	-	-	77 ms	450 ms
T7	-	19 ms	57 ms	216 ms

Datei sind plausiebel.