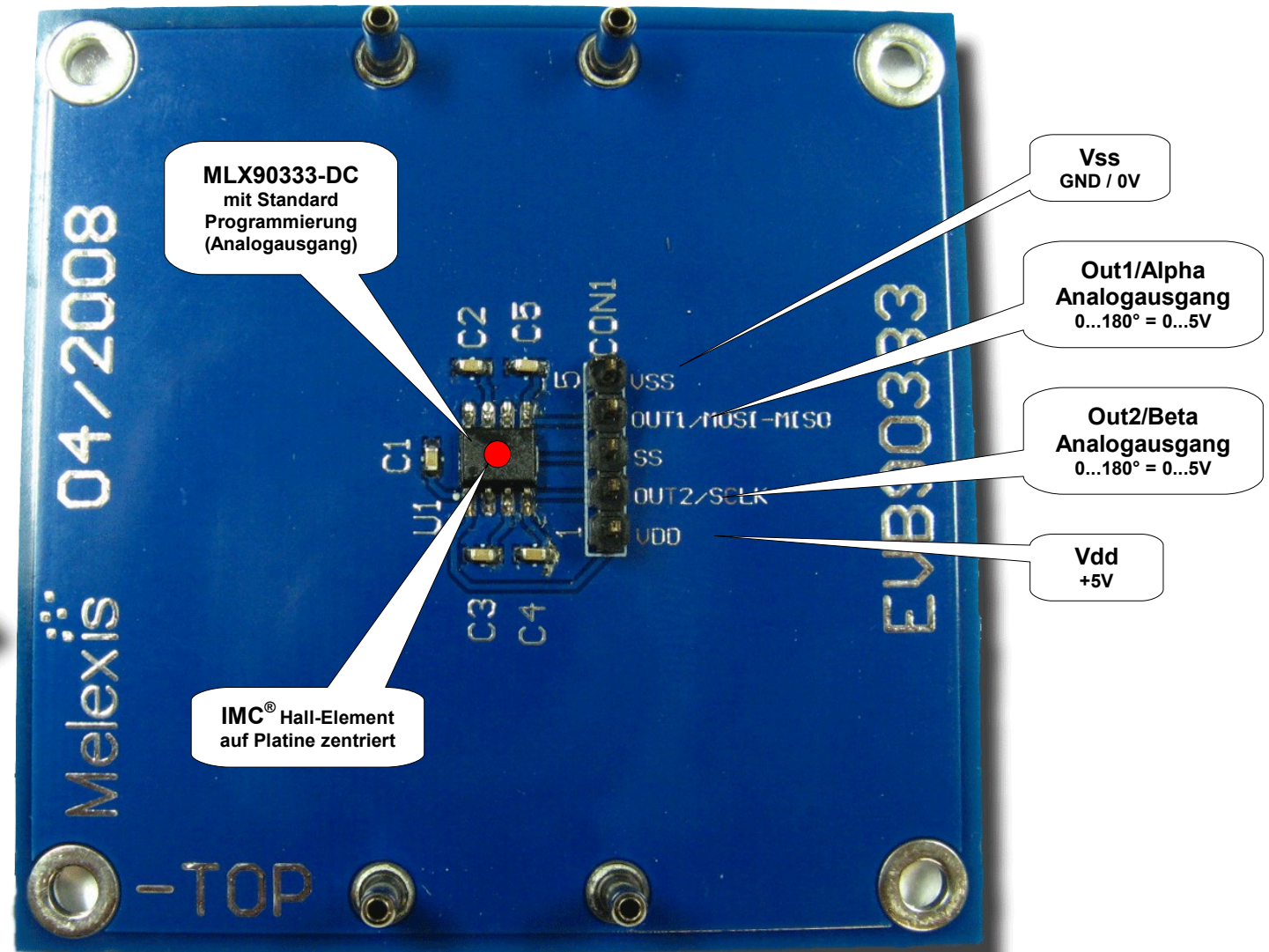
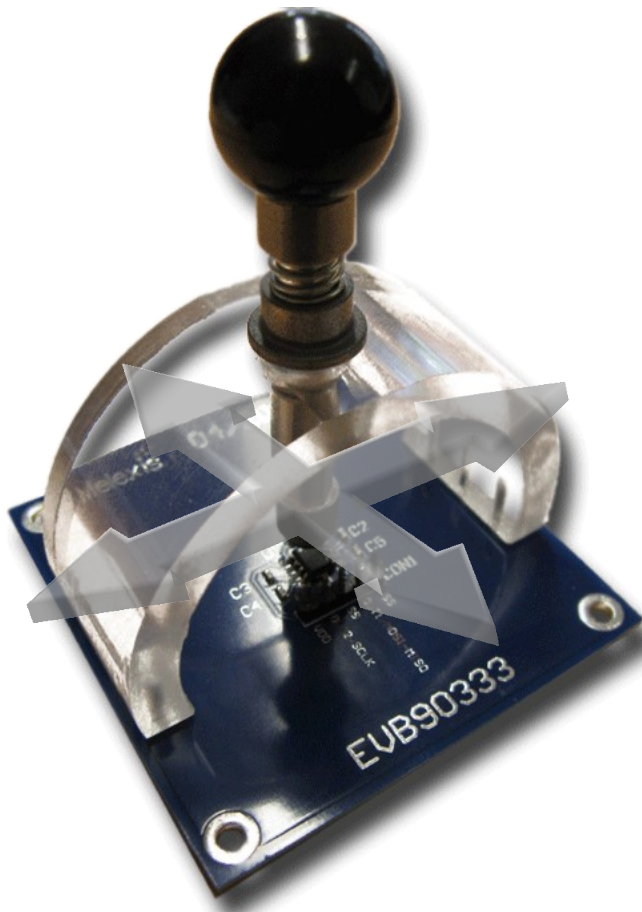


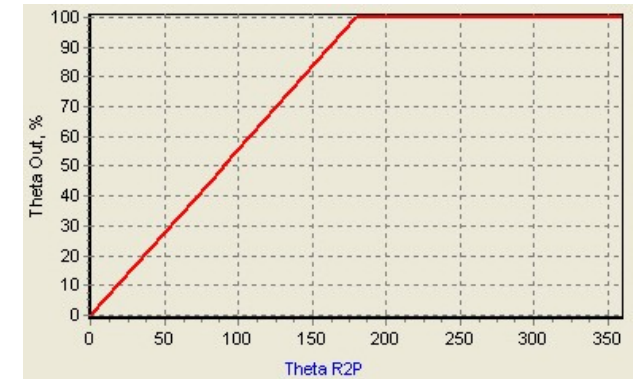
Melexis Evaluation Board
EVB90333-DC
(SOIC8)



EEPROM-Konfiguration
 des MLX90333BCH auf dem EVB

MLXLOCK [8] <input type="checkbox"/> <input type="checkbox"/> Oscillator frequencies High speed mode [6] 3F 3F Low power mode [6] 10 10 T25 [8] 99 99 ITRIM [3] 02 02 DACTHRES [8] F0 F0 PWMT [16] 1000 1000 XOFSSLOPE [16] 0509 0509 YOFSSLOPE [16] FDFA FDF Melexis ID ID1 [16] 0CC1 0CC1 ID2 [16] 98EE 98E ID3 [16] 171F 171F Sensitivity mismatch SMISM [8] 3B 3B SxGTSy [1] <input checked="" type="checkbox"/> <input type="checkbox"/> Orthogonality error Radians [16] 0000 0000 Residual offset correction factors X0 [8] 06 06 Y0 [8] ED ED Z0 [8] 08 08	LOCK [8] <input type="checkbox"/> <input type="checkbox"/> Calibration and debug modes ResetOnFault [2] <input checked="" type="checkbox"/> <input type="checkbox"/> DisableGainCtrl [1] <input type="checkbox"/> <input type="checkbox"/> Output stages mode Out1Enable <input checked="" type="checkbox"/> <input type="checkbox"/> Out1PWM [1] <input type="checkbox"/> <input type="checkbox"/> Out1Mode [3] 02 02 Out2Enable <input checked="" type="checkbox"/> <input type="checkbox"/> Out2PWM [1] <input type="checkbox"/> <input type="checkbox"/> Out2Mode [3] 02 02 Filter [8] 03 03 Filter A1 [16] 6600 6600 Filter A2 [16] 2A00 2A00 Clamping CLAMPLOW [%] 0.0 0.0 CLAMPHIGH [%] 100.0 100.0 Custom ID ID1 [16] 0001 0001 ID2 [16] 0011 0011 ID3 [16] 006C 006C Correction factors KZ [8] 1.398 1.39 KT [8] 1.000 1.00	HighSpeed [1] <input type="checkbox"/> <input type="checkbox"/> SPI [1] <input type="checkbox"/> <input type="checkbox"/> PWM [1] <input type="checkbox"/> <input type="checkbox"/> PWMPOL1 [1] <input type="checkbox"/> <input type="checkbox"/> PWMPOL2 [1] <input type="checkbox"/> <input type="checkbox"/> XYZ [1] <input type="checkbox"/> <input type="checkbox"/> FilterFirst [1] <input type="checkbox"/> <input type="checkbox"/> 3Points [1] <input type="checkbox"/> <input type="checkbox"/> 2D [1] <input type="checkbox"/> <input type="checkbox"/> MainMode [2] 00 00 M [2] 00 00 GAINMIN [8] 00 00 GAINMAX [8] 29 29 DerivGain [8] 40 40 DerivOfs [8] 00 00 FHYST [8] 00 00 SpeedThres [8] 14 14 Band [8] C8 C8 SkipEvery [8] 14 14	Alpha DP DP [deg] 0.0 0.0 Clockwise [1] <input type="checkbox"/> <input type="checkbox"/> M180 [1] <input checked="" type="checkbox"/> <input type="checkbox"/> DEADZONE [8] 00 00 Alpha Setup S0 [%/deg] 0.556 0.55 X [deg] 90.0 90.0 Y [%] 50.0 50.0 S1 [%/deg] 0.556 0.55 Linear Graph
			Beta DP DP [deg] 0.0 0.0 Clockwise [1] <input type="checkbox"/> <input type="checkbox"/> M180 [1] <input checked="" type="checkbox"/> <input type="checkbox"/> DEADZONE [8] 00 00 Beta Setup S0 [%/deg] 0.556 0.55 X [deg] 90.0 90.0 Y [%] 50.0 50.0 S1 [%/deg] 0.556 0.55 Linear Graph

Ausgangskennlinie „Alpha“
 Analogausgang 0...180° = 0...5V



Ausgangskennlinie „Beta“
 Analogausgang 0...180° = 0...5V

