The NVE GMR Current Sensor Evaluation Assembly (PN AG003-01) was created to facilitate laboratory experimentation and development using GMR current sensors. The kit consists of four NVE current sensors (PN AA003-02)6 assembled to a printed circuit board PN AG002-01). The PCB has four trace geometries to simulate various PCB current ranges. The details are as follows:

Trace Number	Trace Width	Maximum Trace Input	Nominal Sensitivity
	(inches)	Current (A)	([mV/V] _{OUT} /A _{IN)}
1	0.090	±9.0	3.5
2	0.060	±6.0	3.7
3	0.010	±0.25	4.0
4	7X0.010	±0.25	20.0

Notes:

- 1. The maximum current is based on the rated current carrying capability of each trace geometry.
- 2. The minimum current the assembly can sense is arbitrary. The absolute value is dependent on many system design parameters and must be determined by the user.
- 3. For functional characteristics of the AA003-02 current sensor, refer to the AA003-02 Sensor Bulletin.
- 4. Refer to NVE's Engineering & Application Notes, Appendix APP 003, "GMR Current Sensing" for additional technical details.
- 5. The AG003-01 assembly can be subdivided into four separate sub-assemblies. All connections to each input trace and current sensor are isolated on each sub-section.
- 6. The AC004-01 part number has been changed to AA003-02.

