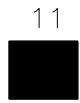
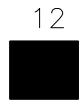


10



11



12



13



14



15



16



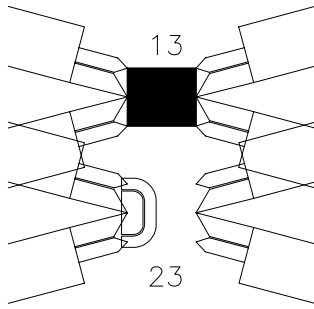
20



21



22



23



24



25



26

L1



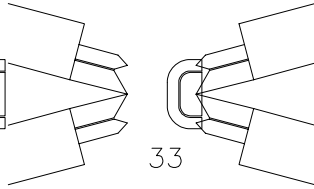
30



31



32



33



34



35



36

L2



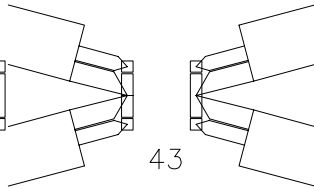
40



41



42



43



44



45



46

O



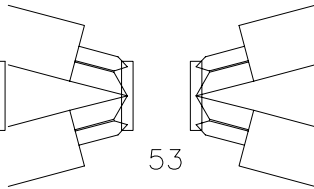
50



51



52



53



54



55



56

S



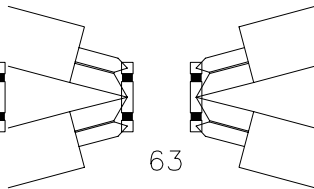
60



61



62



63



64



65



66

M



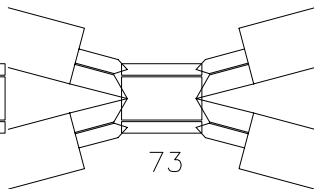
70



71



72



73



74

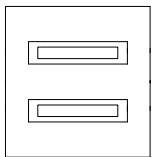


75

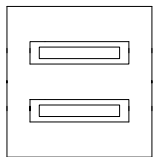


76

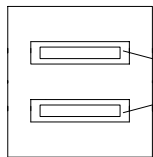
L3



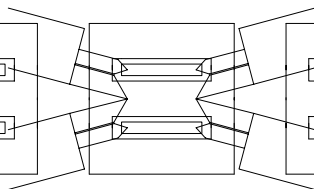
80



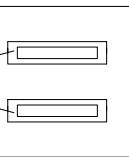
81



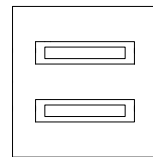
82



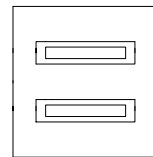
83



84

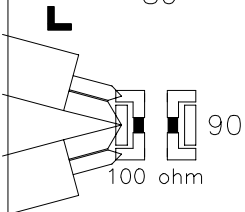


85



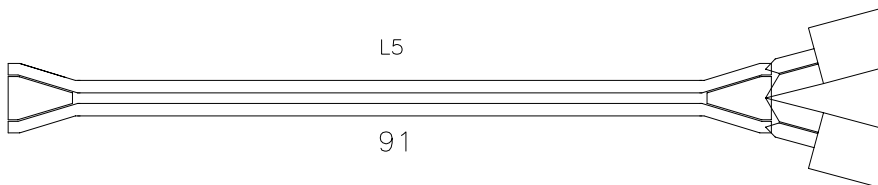
86

L4



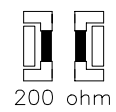
90

100 ohm



L5

91



92

200 ohm

CS-4-XXX Calibration Substrate Key

(Table 1)

(all structures for SGS probes)

Location #	Description
10-16	Home
20-36	180 Degree Thrus
40-46	Opens
50-56	Shorts
60-66	50 ohm loads
70-86	Thrus
90	100 ohm structure
91	Differential mode structures to verify proper differential mode port setup
92	200 ohm structure

Columns 10, 11, 12, 13, 14, 15, and 16 are 1700 microns apart in the X dimension.

Rows 10, 20, 30, 40, 50, 60, 70, 80, and 90 are 2000 microns apart in the Y dimension