

P10003 Dynamic Keyboard: Phase 2

Step #1 Electrical Screening

Selection Criteria	Importance	A		B		C		F		G	
		New Controller		New I/O Board		DAQ Unit		Force on/off Button		Software on/off Option	
Concept	Wt.	Score	Total	Score	Total	Score	Total	Score	Total	Score	Total
Cost	4	5	20	3	12	1	4	4	16	5	20
Phase 3 Ease	3	4	12	3	9	4	12	5	15	3	9
Phase 2 Ease	3	1	3	5	15	4	12	3	9	5	15
Relatable Data	5	4	20	4	20	5	25	NA	NA	NA	NA
Complexity	2	1	2	5	10	4	8	5	10	4	8
Reads Force	5	5	25	5	25	5	25	NA	NA	NA	NA
Low Maintenance	3	5	15	5	15	3	9	4	12	5	15
Ease Maintenance	3	1	3	4	12	5	15	4	12	5	15
USB Powered	3	5	15	5	15	5	15	NA	NA	NA	NA
Precision	5	3	3	3	3	5	5	NA	NA	NA	NA
Durability	4	5	20	4	16	3	12	4	16	5	20
Size	3	5	15	5	15	3	9	NA	NA	NA	NA
Accuracy	5	3	3	3	3	5	5	NA	NA	NA	NA
Expandability	2	1	2	5	10	1	2	NA	NA	NA	NA
Sum			158		180		158		90		102
Rank			3		1		2				

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Step #1 Mechanical Screening - Estimations needing research

Selection Criteria	Importance	D		E	
		Silicone Nipple		Compressive Material	
Concept	Wt.	Score	Total	Score	Total
Cost	4	5	20	3	12
P2 Ease	3	5	15	3	9
Complexity	2	5	10	4	8
Low Maintenance	3	5	15	5	15
Ease Maintenance	3	5	15	5	15
Precision	5	5	25	5	25
Durability	4	5	20	4	16
Accuracy	5	4	20	5	25
Sum			140		125
Rank			tied		tied