

Assembly Matrix Chart

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
	Name of Item or Operation	Quantity of items	Theoretical Minimum part #	Assembly Symmetry 1 to 5 or more	Shortest dimension < 2mm (1)	Longest dimension < 15 mm (1)	Two hands because of size (1)	A tool required to move (1)	Nest or Tangle (1)	Fragile or delicate (1)	Sticky or slippery (1)	Sharp edges or points (1)	Flexible (1)	Nest or tangle severely (2)	Two people to move due to weight (2)	Secured on insertion (1)	Non-value added operation (2)	Restricted view (1)	Obstructed view (1)	Alignment features absent (1)	Resistance to insertion (1)	Holding down required (1)	Large depth of insertion (1)	Severe alignment difficulties (1)	Item dist ft. > 1.5 – 5 (1) 5-10 (2)	Ergonomic problems apparent (2)	Environmental concerns relevant (2)	Total columns 5 - 28	
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	Totals each column																												

Column total / Quantity of items = _____, This is the ratio of concerns to items