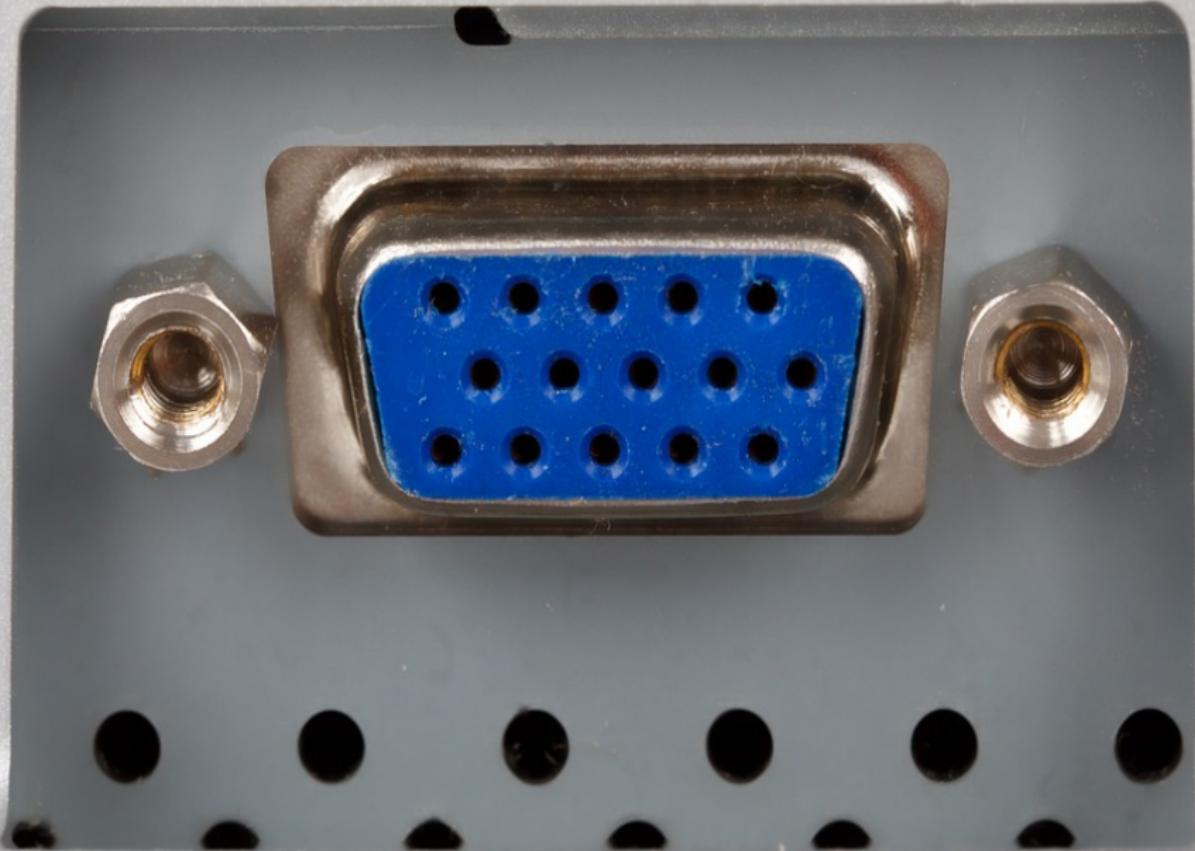


Bit-banging VGA with the GAL44

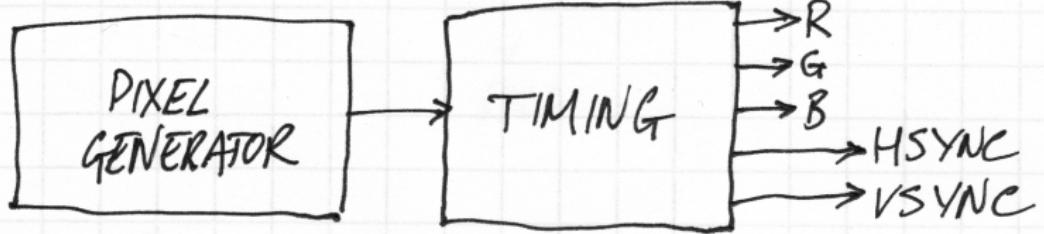
James Bowman

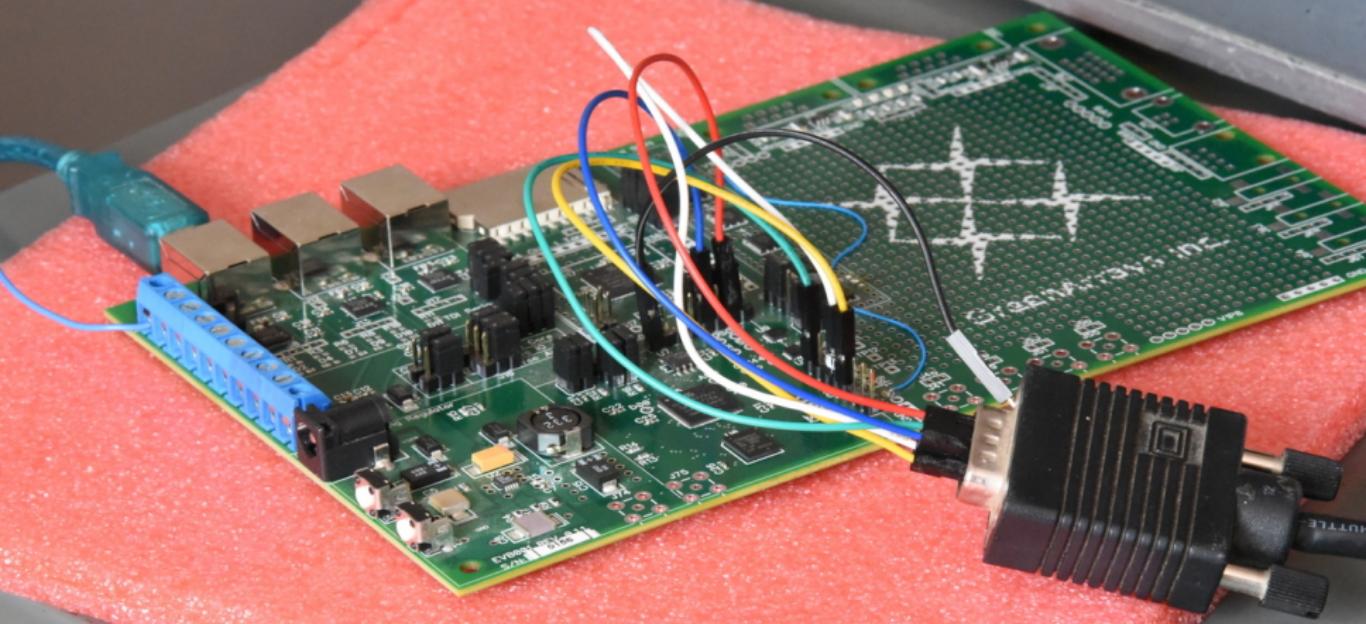
September 22, 2017



640x480 at 60 Hz

Pixel frequency is 25.175 MHz





700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717
600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617
500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517
400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417
300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317
200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
000	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017



(x y -- bbbbbbggggggrrrrrrr)

over @p and

32

over @p and

32

2* 2* 2*

2* 2* 2*

or



