```
ipeq 12soc
                                 stat_dct_err[1:0]
                           stat_demux_overrun[1:0]
ctrl fifo reset
                        stat_jpeg_ip_version[15:0]
ctrl_prod_key[31:0]
                             stat_dct_overrun[1:0]
ctrl levelshift a
                                stat_enc_arch[3:0]
ctrl_levelshift_b
                                   stat_cfg_lshift
                                                     -
ctrl num mcus[15:0]
                              stat_max_width[15:0]
ctrl_img_width[15:0]
                                    stat_jpeg_done
                                                     -⊳
ctrl_jpeg_start
                                          stat_demo
din b[7:0]
                                  stat_cfg_dualtap
                                                     →
din_a[7:0]
                               stat_access_hufftbl
                                                     -⊳
din_valid
                                        jpeg_valid
cm data[15:0]
                                  jpeg_stream[7:0]
lm_data[15:0]
                                      cm_addr[5:0]
clk
                                       lm addr[5:0]
```