TODOs

IT – CASCADE – CONTROLLER – FILEMAKER – MISC

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<2019-01-24 Thu>

Contents

Archived entries from file /home/cole/Dropbox/orgsite/cascade.org

DONE $\boxed{\#\text{B}}$ Add "has sparam" column to partSelector

```
ARCHIVE_TIME: 2020-01-06 Mon 14:54
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

DONE $\boxed{\#\text{A}}$ Validate imported and hard-coded slugs (e.g. PWR)

```
ARCHIVE_TIME: 2020-01-10 Fri 17:19
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

See Constants.js.

DONE $\boxed{\#\text{A}}$ Hide Diodes, Combined Blocks, MPAC categories

```
ARCHIVE_TIME: 2020-01-10 Fri 17:19
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

DONE $\boxed{\#\text{A}}$ Simplify quicklook tables

```
ARCHIVE_TIME: 2020-01-10 Fri 17:19
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

Use the following values from the partselector table for each category:

- 50O: lfreq, hfreq, load

- BAL: lfreq, hfreq, ratio, il, iso

- BPF: center freq, 3dbbw, insertion loss, l20lf, h20lf

- BSF: center freq, insertion loss, l20lf, h20lf6

- BTE: Lfreq, hfreq il, iso

- CIR: lfreq, hfreq, il, iso

- CMP: lvin, hvin, lvout, hvout

- CPL: lfreq, hfreq, cplg, ISO, il

- DET: lipwr, hipwr, lfreq, hfreq

- DPX: lfreq1, hfreq1, il1, lfreq2, hfreq2, il2

- DSA: IL, grng (attenuation range), gstp, lfreq, hfreq

- EQL: hfreq, slope, low freq gain, high freq gain

- HPF: lfreq, hfreq, il, 3lf, 20lf

- LPF: lfreq, high freq, IL, 3lf, 20lf

- OSC: freq, freqac, PN

- PLL: lfreq, hfreq

- PLM: Lfreq, Hfreq, IL, lpwrl (as Flat lkg)

- PSH: Lfreq, hfreq, range, IL

- SP2: lfreq, hfreq, il

- SW2: lfreq, hfreq, il

- SYN: lfreq, hfreq, pwr (as POUT)

- TML: lfreq, hfreq, il

- TVA: attn, slope, pwr, lfreq, hfreq

- VCO: lfreq, hfreq, PWR (as POUT)

- VVA: lfreq, hfreq, grng, il

DONE $\boxed{\#A}$ Publish Print button cascade

```
ARCHIVE_TIME: 2020-01-10 Fri 17:19
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

Cascade sparamters is in progress.
Use query parameter casc_sp=1

DONE $\boxed{\#A}$ Partselector hide "null" named props

```
ARCHIVE_TIME: 2020-01-10 Fri 17:19
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

Cascade needs to be able to read part data props in a way such that the "null" elements of the categories props are ignored. Basically, every prop slug has a order index position and a boolean "show" value predefined in filemaker, and the cascade database will fill only those indexes that are shown. The result is that there will be null elements between the filled ones, and nothing if there is not a non-null prop after a null one in the list. (If the last element in the list is hidden, it is omitted from the list).

The parts.json will always have the same or fewer properties per part as it's category does, depending on if the last prop(s) happen to be hidden.

DONE $\boxed{\#A}$ Fix Partdata table errors (see Limiters - IL)

```
ARCHIVE_TIME: 2020-01-10 Fri 17:19
```

```
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

DONE $\boxed{\text{\#B}}$ Add "has sparam" column to partSelector

```
ARCHIVE_TIME: 2020-01-10 Fri 17:19
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

DONE $\boxed{\text{\#A}}$ Fix parts excluded by web PCB revision change

```
ARCHIVE_TIME: 2020-01-13 Mon 17:09
ARCHIVE_FILE: ~/Dropbox/orgsite/filemaker.org
ARCHIVE_CATEGORY: filemaker
ARCHIVE_TODO: DONE
```

Some parts were not included in the last cascade export because the PCB web revision value was changed, and there was not an image associated with the built SVG URL. Each part is exported only if the URL is valid on S3.

DONE $\boxed{\text{\#A}}$ Fix Cascade [13/14]

```
ARCHIVE_TIME: 2020-01-14 Tue 14:14
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

- visual glitch ports grow in size if you click on them weirdly. (Hard to replicate, I tried repeatedly clickng on them to get it to happen)

☒ OSC: No output

- CIR: Not implemented

☒ MXR: No output (Max `HF` ??? or RF?)

☒ TML: Wrong category name and properties/columns

☒ DPX: IL1 and IL2 not implemented

☒ DPX: Lfreq1 and hfreq1 not implemented

☒ Configurable don't work in cascade (Insertion loss = 3 becomes NaN)

☒ Band Pass Tunable Filter category (A7L5)

☒ A2W4 missing 2 ports

☒ CMP: Has no ports (A4H4)

☒ TVA: All EMC TS** TVAs mismatched category props

☒ VVA: No IL data

☒ BTE: Insertion Loss: N/A

☒ SW2: Can't change switch path

DONE $\boxed{\text{\#B}}$ Fix showCat position of LPF, BPT

```
ARCHIVE_TIME: 2020-01-14 Tue 14:15
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

Isaac uploaded a new showCategories to s3

DONE $\boxed{\#A}$ Switches be bad

```
ARCHIVE_TIME: 2020-01-15 Wed 13:36
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

switch uses the wrong S21/S31 value (-60dB gain @1GHz with A2L8)

DONE $\boxed{\#A}$ Flip Control boards

```
ARCHIVE_TIME: 2020-01-17 Fri 13:21
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

DONE $\boxed{\#B}$ Change out Balun icon

```
ARCHIVE_TIME: 2020-01-17 Fri 13:21
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

DONE $\boxed{\#B}$ Remake Balun formfactors with new icon

DONE $\boxed{\#A}$ BUG: SRC and PNS cannot be cloned like other parts

```
ARCHIVE_TIME: 2020-01-17 Fri 13:21
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: TODO
```

[2020-01-17 Fri 11:13]
When you CTRL+Click and drag a part it is supposed to clone the part

and place the clone where you mouse is pointing when you release the mouse.

DONE $\boxed{\#A}$ Correct Browser notification on startup

```
ARCHIVE_TIME: 2020-01-20 Mon 10:48
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

Same thing for Sparameter viewer. people keep emailing using internet explorer when it doesn't work. Need to notify people so they don't email us.

DONE $\boxed{\#B}$ Check all missing properties

```
ARCHIVE_TIME: 2020-01-21 Tue 13:23
ARCHIVE_FILE: ~/Dropbox/orgsite/filemaker.org
ARCHIVE_CATEGORY: filemaker
ARCHIVE_TODO: DONE
```

catId=BSF
H20LF=N/A for all
XM-A2C4-0604D L20LF=N/A L40LF=N/A H40LF=N/A
catId=BPF
L40LF=N/A and H40LF=N/A for some
catId=SP2
AMP_BAL=N/A for most
PHASE_BAL=N/A for most
catId=CPL
ISO=N/A for most
AMP_BAL=N/A for most
PHASE_BAL=N/A for most
DIRECTIVITY=N/A for all
catId=SW2 is good
catId=EQL
HPWRL=N/A for all
SLOPE=N/A for some
catId=PAD is good

catId=DSA
VDD=N/A for all
HFREQ=N/A for some (but LFREQ is defined for some of those)
LFREQ=N/A (if LFREQ=N/A then HFREQ=N/A for those parts)
catId=TVA
LFREQ=N/A for few
HFREQ=N/A for some
catId=VVA
IDD=N/A for some
catId=TML
LFREQ=N/A for few
HFREQ=N/A for all
IL=N/A for all
catId=DTC
IDD=N/A for all
catId=BTE
IDD=N/A for all
catId=BLN
everything but XM-A7F8-0409D: PHASE_BAL=N/A
XM-B2F5-0409D ISO=N/A, AMP_BAL=N/A
XM-B5Y8-0409D ISO=N/A, AMP_BAL=N/A
catId=CIR (only has 2 parts)
ISO=N/A for all
catId=CMP (only has 1 part)
HVOUT=N/A for all
catId=DPX
HIGH_FREQ_2_MHZ=N/A for all

catId=SYN
XM-C6K5-0409D PWR = N/A
catId=PSH
VDD = N/A
catId=PLM
IL = N/A for most of them
HPWRL = N/A for most of them
catId=AMP
XM-A2R5-1204D
everything but GAIN and HFREQ is undefined
XM-A2R6-1204, XM-A2R7-1204
everything is undefined

XM-A9R3-0804D
IDD=N/A
XM-A9R7-0804D
IP3=N/A, VDD=N/A, IDD=N/A
XM-B8U8-0404D
NF=N/A, P1DB=N/A, VDD=N/A, IDD=N/A
catId=MXR is good
catId=MOD is good
catId=UPC
CONV_LOSS=N/A
GAIN=N/A
catId=DMD
CONV_LOSS=N/A
GAIN=N/A
catId=DNC
CONV_LOSS=N/A
GAIN=N/A
catId=MUL
LIPWR=N/A for most of them
HIPWR=N/A for all of them
XM-B5H5-0404D CONV_LOSS=N/A
catId=DIV
XM-A2A2-0804D all attributes are N/A
XM-A2K5-0804D POUT=N/A, IDD=N/A
XM-B4U5-0804D LIPWR=N/A, HIPWR=N/A, POUT=N/A, VDD=N/A,
IDD=N/A
catId=LPF
40LF=N/A for most
20LF=N/A for some
3LF=N/A for a few
catId=HPF
XM-B818-0204D all attributes
IL=N/A for some
3LF=N/A for few
20LF=N/A for few
40LF=N/A for some
catId=DSA (LFREQ&HFREQ problem)
catId=TVA (LFREQ&HFREQ problem)
catId=TML (LFREQ&HFREQ problem)

DONE $\boxed{\#A}$ rebuild Diplexers in blockbuilder

```
ARCHIVE_TIME: 2020-01-21 Tue 13:23
ARCHIVE_FILE: ~/Dropbox/orgsite/filemaker.org
ARCHIVE_CATEGORY: filemaker
ARCHIVE_TODO: DONE
```

DONE $\boxed{\#A}$ XM-A183 s-parameters is negative

```
ARCHIVE_TIME: 2020-01-21 Tue 16:31
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

[2020-01-20 Mon 09:50]

DONE $\boxed{\#C}$ Add GSG button keeps adding

```
ARCHIVE_TIME: 2020-01-24 Fri 08:41
ARCHIVE_FILE: ~/Dropbox/orgsite/cascade.org
ARCHIVE_CATEGORY: cascade
ARCHIVE_TODO: DONE
```

We should have the add gsg button delete and then add them every time instead of always adding when you press the button, or something so that you can't accidentally generate a bom with way too many GSGs.