Email Antonio Conde 24 Sept 2014

Date: Wed, 24 Sep 2014 16:30:35 +0200

From: Antonio Conde Garcia <Antonio.Conde.Garcia@cern.ch>

To: Georgi Rashevski <georgi@phys.bas.bg>,

 Saleh Muhammad <Saleh.Muhammad@cern.ch>,

 Joonas Talvitie <joonas.talvitie@lut.fi>,

 Ian Crotty <ian.crotty@cern.ch>

Cc: Ð¡ÑÐµÑ

 Ð°Ð½ ÐÐµÐ½ÑÐµÐ² <sgg@phys.bas.bg>,

 Plamen Stoianov Iaydjiev <plamen.stoianov.iaydjiev@cern.ch>,

 Gueorgui Soultanov <Gueorgui.Soultanov@cern.ch>,

 "yyifan@ulb.ac.be" <yyifan@ulb.ac.be>

Subject: RE: CMS Readout

Parts/Attachments:

 Hi Georgi,

In your picture the Optohibryd is not only separated but also rotated 90Â°.

This problem is probably due to your conversion from STEP to SolidWorks. I

will prepare again a STEP file and will send you this afternoon.

The height of the SFPs in the STEP file is 9.5mm. Another different thing is

that the height between the GEB and the Optohibryd is 11mm. I represented

the SAMTEC connectors divided in two halves, each one 5.5mm height

(5.5+5.5=11mm). Â I think you are confusing the SAMTEC connectors with the

SFPs and this is due to this bad conversion of file, otherwise you would

have seen and understood all the geometries and locations very well. As I

said in a previous mail, the SFPs are finally in the bottom (I called them

CAGES because Yifan recently choose to weld cages and no longer SFPs; these

ones will be plugged into the cages during the insertion of the chambers in

CMS).

Unfortunately, I donât have the details about the alignment sensors, please

ask Zoltan (Zoltan.Szillasi@cern.ch).

I let Yifan and Joonas answer to your 3rd and 5th questions.

Best Regards

Antonio

From: Georgi Rashevski [mailto:georgi@phys.bas.bg]

Sent: 24 September 2014 14:22

To: Saleh Muhammad; Joonas Talvitie; Ian Crotty; Yifan Yang; Antonio Conde

Garcia

Cc: Ð¡ÑÐµÑ

 Ð°Ð½ ÐÐµÐ½ÑÐµÐ²; Plamen Stoianov Iaydjiev; Gueorgui Soultanov;

yyifan@ulb.ac.be

Subject: Re: CMS Readout

Hi Antonio,

Thank you for the drawings â PROPOSAL.PNG (18.09), LG GEM.stp (19.09) and

GEBv35\_DXF (23.09).

If possible send me again LG GEM.stp. When opening a file the Optohybrid board

appears detached from GEB (see LG GEM.jpg). Â

Other questions:

size is an actual? And other: Where are placed these components â above or under the

Optohgybrid board ?Â

(U7, BGA)âcdce62005 (U1, VQFN)â

holes and connections for installation of radiators, and etc.

If possible send me again LG GEM.stp. When opening a file the Optohybrid board

And one question: Is it possible in the Optohybrid board around Optocomponents to be

soldered threaded rods M3 for pressing of the copper sheet and Optocomponents, ifÂ

this not provided on any in them?

these elements are not discussed. Can you tell me more details about them?

About the 24 conectors, one question to Joonas - Is possible in the holes Ã2,4 to be

soldered threaded rods M3?

BR

Georgi

 ----- Original Message -----

From: Antonio Conde Garcia

To: Georgi Rashevski (georgi@phys.bas.bg)

Cc: Joonas Talvitie ; Plamen Stoianov Iaydjiev

Sent: Tuesday, September 23, 2014 9:50 AM

Subject: FW: CMS Readout

Hi Georgi,

Thanks to Joonas, here you can find his updated drawing of the GEB; please

check that the locations of the VFAT hybrids in your drawing are conform to it.

BR

Antonio

From: Joonas Talvitie [mailto:Joonas.Talvitie@lut.fi]

Sent: 19 September 2014 18:28

To: Antonio Conde Garcia

Subject: RE: CMS Readout

Hi Antonio,

Here is the DXF file about the newest GEB.

Cheers,

Joonas