Subject: [simpits-tech] need displays...
Posted by Gene Buckle on Tue, 10 Apr 2012 01:26:52 GMT
View Forum Message <> Reply to Message

This is a long shot, but can someone point me to a reasonably priced
source for KW-104S 7 segment incandescent displays? I need 8 of them and
a decimal point display as well.

tnx!

g.

--
Proud owner of F-15C 80-0007
http://www.f15sim.com - The only one of its kind.
http://www.diy-cockpits.org/coll - Go Collimated or Go Home.
Some people collect things for a hobby. Geeks collect hobbies.

ScarletDME - The red hot Data Management Environment
A Multi-Value database for the masses, not the classes.
http://www.scarletdme.org - Get it _today_!

Buying desktop hardware and installing a server OS doesn't make a
server-class system any more than sitting in a puddle makes you a duck.
[Cipher in a.s.r]

_____
Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page. Thanks!

Subject: Re: [simpits-tech] need displays...
Posted by Joseph Fagner on Tue, 10 Apr 2012 01:31:57 GMT
View Forum Message <> Reply to Message

Gene, send me a picture of these. I believe I have some like that but not sure
if they are the exact type/size you are looking for. They are sitting in my
parts drawer and you are welcome to them if they will work for you. I won't
ever use them.

I'm at work right now so will have to wait to check on the part number for another couple hours before I get home.

Jay

From: Gene Buckle <geneb@deltasoft.com>
To: simpits-tech@simpits.org
Sent: Mon, April 9, 2012 8:26:52 PM
Subject: [simpits-tech] need displays...

This is a long shot, but can someone point me to a reasonably priced source for KW-104S 7 segment incandescent displays? I need 8 of them and a decimal point display as well.

tnx!

g.

--
Proud owner of F-15C 80-0007
http://www.f15sim.com - The only one of its kind.
http://www.diy-cockpits.org/coll - Go Collimated or Go Home.
Some people collect things for a hobby. Geeks collect hobbies.

ScarletDME - The red hot Data Management Environment
A Multi-Value database for the masses, not the classes.
http://www.scarletdme.org - Get it _today_!

Buying desktop hardware and installing a server OS doesn't make a server-class system any more than sitting in a puddle makes you a duck.
[Cipher in a.s.r]

Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page.

Thanks!

_____
Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page. Thanks!

Subject: Re: [simpits-tech] need displays...
Posted by Gene Buckle on Tue, 10 Apr 2012 01:50:48 GMT
View Forum Message <> Reply to Message

On Mon, 9 Apr 2012, Joseph Fagner wrote:

> Gene, send me a picture of these. I believe I have some like that but not sure
> if they are the exact type/size you are looking for. They are sitting in my
> parts drawer and you are welcome to them if they will work for you. I won't
> ever use them.
>
Awesome Jay, thanks!

Here's what the display assembly looks like
http://www.geneb.org/images/7seg-disp1.jpg
http://www.geneb.org/images/7seg-disp2.jpg
http://www.geneb.org/images/7seg-disp3.jpg

The way it's wired requires 9 7seg to bcd chips.

It appears they way they built it was to glue in the pcb, then mount all
the displays and then finally the 64 pin connector. I'd like to be able
to use a single Maxim 7 segment driver chip with them, but I suspect it
would take a week of work just to recover the parts from the board. :)

The displays are about .300" high.

g.

--
Proud owner of F-15C 80-0007

http://www.f15sim.com - The only one of its kind.
http://www.diy-cockpits.org/coll - Go Collimated or Go Home.
Some people collect things for a hobby. Geeks collect hobbies.

ScarletDME - The red hot Data Management Environment
A Multi-Value database for the masses, not the classes.
http://www.scarletdme.org - Get it _today_!

Buying desktop hardware and installing a server OS doesn't make a
server-class system any more than sitting in a puddle makes you a duck.
[Cipher in a.s.r]

_____
Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page. Thanks!

Subject: Re: [simpits-tech] need displays...
Posted by Joseph Fagner on Tue, 10 Apr 2012 02:08:53 GMT
View Forum Message <> Reply to Message

So you just need the filament type 7 segs not that entire assembly, correct?

I know I have that type of 7 seg at home. Just don't recall how many and what
size they are but I'll be home in a little over an hour and I'll take a peak.

Jay

_____
From: Gene Buckle <geneb@deltasoft.com>
To: Simulator Cockpit Builder's List <simpits-tech@simpits.org>
Sent: Mon, April 9, 2012 8:50:48 PM
Subject: Re: [simpits-tech] need displays...

On Mon, 9 Apr 2012, Joseph Fagner wrote:

> Gene, send me a picture of these. I believe I have some like that but not

sure
> if they are the exact type/size you are looking for. They are sitting in my
> parts drawer and you are welcome to them if they will work for you. I won't
> ever use them.
>
Awesome Jay, thanks!

Here's what the display assembly looks like
http://www.geneb.org/images/7seg-disp1.jpg
http://www.geneb.org/images/7seg-disp2.jpg
http://www.geneb.org/images/7seg-disp3.jpg

The way it's wired requires 9 7seg to bcd chips.

It appears they way they built it was to glue in the pcb, then mount all
the displays and then finally the 64 pin connector. I'd like to be able
to use a single Maxim 7 segment driver chip with them, but I suspect it
would take a week of work just to recover the parts from the board. :)

The displays are about .300" high.

g.

--
Proud owner of F-15C 80-0007
http://www.f15sim.com - The only one of its kind.
http://www.diy-cockpits.org/coll - Go Collimated or Go Home.
Some people collect things for a hobby. Geeks collect hobbies.

ScarletDME - The red hot Data Management Environment
A Multi-Value database for the masses, not the classes.
http://www.scarletdme.org - Get it _today_!

Buying desktop hardware and installing a server OS doesn't make a
server-class system any more than sitting in a puddle makes you a duck.
[Cipher in a.s.r]

Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page.

Thanks!

_____
Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page. Thanks!

Subject: Re: [simpits-tech] need displays...
Posted by Joseph Fagner on Tue, 10 Apr 2012 04:48:12 GMT
View Forum Message <> Reply to Message

Bad news, I looked everywhere but can't find them. I'll keep looking.

Jay

Show me a man who cannot be bothered to do the little things, and I will
show you a man who cannot be trusted to do the big ones.
--Lawrence Bell, Founder Bell Helicopter
-----Original Message-----
From: simpits-tech-bounces@simpits.org
[mailto:simpits-tech-bounces@simpits.org] On Behalf Of Gene Buckle
Sent: Monday, April 09, 2012 8:51 PM
To: Simulator Cockpit Builder's List
Subject: Re: [simpits-tech] need displays...

On Mon, 9 Apr 2012, Joseph Fagner wrote:

> Gene, send me a picture of these. I believe I have some like that but
> not sure if they are the exact type/size you are looking for. They
> are sitting in my parts drawer and you are welcome to them if they
> will work for you. I won't ever use them.
>
Awesome Jay, thanks!

Here's what the display assembly looks like
http://www.geneb.org/images/7seg-disp1.jpg
http://www.geneb.org/images/7seg-disp2.jpg
http://www.geneb.org/images/7seg-disp3.jpg

The way it's wired requires 9 7seg to bcd chips.

It appears they way they built it was to glue in the pcb, then mount all the displays and then finally the 64 pin connector. I'd like to be able to use a single Maxim 7 segment driver chip with them, but I suspect it would take a week of work just to recover the parts from the board. :)

The displays are about .300" high.

g.

--
Proud owner of F-15C 80-0007
http://www.f15sim.com - The only one of its kind.
http://www.diy-cockpits.org/coll - Go Collimated or Go Home.
Some people collect things for a hobby. Geeks collect hobbies.

ScarletDME - The red hot Data Management Environment A Multi-Value database for the masses, not the classes.
http://www.scarletdme.org - Get it _today_!

Buying desktop hardware and installing a server OS doesn't make a server-class system any more than sitting in a puddle makes you a duck.
[Cipher in a.s.r]

_____
Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page.
Thanks!

_____
Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page. Thanks!

Subject: Re: [simpits-tech] need displays...

Posted by phoenixcomm on Tue, 10 Apr 2012 05:54:04 GMT
View Forum Message <> Reply to Message

On 4/9/2012 8:26 PM, Gene Buckle wrote:
> This is a long shot, but can someone point me to a reasonably priced
> source for KW-104S 7 segment incandescent displays? I need 8 of them and
> a decimal point display as well.
>
> tnx!
>
> g.
>
>
-Gene,
I have the following KW-104S, KW-104S-CL-TB, KW-104SDP-TB, KW-104S-AL I use them in my NAV head
CP-1252/ASN-128 http://phoenixcomm.wordpress.com/projects/nav-cdu/ The 104 series runs on 4vdc and 15ma (max) any more and you pop them!! make sure that when you drive them to use a current limiting resistor in each segment.. also I was driving them with 74LS family but I lost some of them as TTL has a 5v rail.
they have a .300" character height, x .155(7digit) .200(alpha)... You used to be able to find them on ebay.. I was lucky and I scored 3 CDU's the lamps are also called PinLite and they are manufactured by Wamco Lighting 714-545-5560..

Basicly Gene they are harder to find then hens teeth..

Good Luck,
Cris H.
phoenixcomm.wordpress.com
phoenixaerospace.us
flite-tronics.com

Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page. Thanks!

Subject: Re: [simpits-tech] need displays...
Posted by Gene Buckle on Tue, 10 Apr 2012 15:43:11 GMT
View Forum Message <> Reply to Message

On Mon, 9 Apr 2012, Joseph Fagner wrote:

> So you just need the filament type 7 segs not that entire assembly, correct?
>
That's correct. I can machine a new bracket and have a PCB made in order
to wire it the way that I need it.

Here's a link to the data sheet that has the dimensions & pinouts of the
part. http://www.datasheetarchive.com/KW-104S-L1-datasheet.html

Thanks!

g.

--
Proud owner of F-15C 80-0007
http://www.f15sim.com - The only one of its kind.
http://www.diy-cockpits.org/coll - Go Collimated or Go Home.
Some people collect things for a hobby. Geeks collect hobbies.

ScarletDME - The red hot Data Management Environment
A Multi-Value database for the masses, not the classes.
http://www.scarletdme.org - Get it _today_!

Buying desktop hardware and installing a server OS doesn't make a
server-class system any more than sitting in a puddle makes you a duck.
[Cipher in a.s.r]

_____
Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page. Thanks!

Subject: Re: [simpits-tech] need displays...
Posted by Gene Buckle on Tue, 10 Apr 2012 15:55:18 GMT
View Forum Message <> Reply to Message

On Mon, 9 Apr 2012, Joseph Fagner wrote:

> Bad news, I looked everywhere but can't find them. I'll keep looking.
>
No problem Jay, thanks for taking the time to look!

g.

--
Proud owner of F-15C 80-0007
http://www.f15sim.com - The only one of its kind.
http://www.diy-cockpits.org/coll - Go Collimated or Go Home.
Some people collect things for a hobby. Geeks collect hobbies.

ScarletDME - The red hot Data Management Environment
A Multi-Value database for the masses, not the classes.
http://www.scarletdme.org - Get it _today_!

Buying desktop hardware and installing a server OS doesn't make a
server-class system any more than sitting in a puddle makes you a duck.
[Cipher in a.s.r]

_____
Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page. Thanks!

Subject: Re: [simpits-tech] need displays...
Posted by Gene Buckle on Tue, 10 Apr 2012 16:22:46 GMT
View Forum Message <> Reply to Message

On Tue, 10 Apr 2012, Cris Harrison wrote:

> I have the following KW-104S, KW-104S-CL-TB, KW-104SDP-TB, KW-104S-AL I
> use them in my NAV head
> CP-1252/ASN-128 http://phoenixcomm.wordpress.com/projects/nav-cdu/ The
> 104 series runs on 4vdc and 15ma (max) any more and you pop them!! make
> sure that when you drive them to use a current limiting resistor in each
> segment.. also I was driving them with 74LS family but I lost some of
> them as TTL has a 5v rail.

> they have a .300" character height, x .155(7digit) .200(alpha)... You
> used to be able to find them on ebay.. I was lucky and I scored 3 CDU's
> the lamps are also called PinLite and they are manufactured by Wamco
> Lighting 714-545-5560..
>
> Basicly Gene they are harder to find then hens teeth..
>
They're not hard to find, they're hard to *buy*. Best price I've seen is
$110 *each*. I've got a full set of working displays that I can use by
essentially duplicating the circuit that the VHF radio uses to drive them
(9 CD4511B bcd to 7seg decoders) but it would be nice if I could just
reconstruct the assembly and use a single Maxim 7 segment driver. It
would keep the board cost down. (WAAAY down - 9 16 pin chips eat a ton of
real estate)

g.

--
Proud owner of F-15C 80-0007
http://www.f15sim.com - The only one of its kind.
http://www.diy-cockpits.org/coll - Go Collimated or Go Home.
Some people collect things for a hobby. Geeks collect hobbies.

ScarletDME - The red hot Data Management Environment
A Multi-Value database for the masses, not the classes.
http://www.scarletdme.org - Get it _today_!

Buying desktop hardware and installing a server OS doesn't make a
server-class system any more than sitting in a puddle makes you a duck.
[Cipher in a.s.r]

_____
Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page. Thanks!

Subject: Re: [simpits-tech] need displays...
Posted by phoenixcomm on Wed, 11 Apr 2012 06:03:10 GMT

On 4/10/2012 11:22 AM, Gene Buckle wrote:
> On Tue, 10 Apr 2012, Cris Harrison wrote:
>
>> I have the following KW-104S, KW-104S-CL-TB, KW-104SDP-TB, KW-104S-AL I
>> use them in my NAV head
>> CP-1252/ASN-128 http://phoenixcomm.wordpress.com/projects/nav-cdu/ The
>> 104 series runs on 4vdc and 15ma (max) any more and you pop them!! make
>> sure that when you drive them to use a current limiting resistor in each
>> segment.. also I was driving them with 74LS family but I lost some of
>> them as TTL has a 5v rail.
>> they have a .300" character height, x .155(7digit) .200(alpha)... You
>> used to be able to find them on ebay.. I was lucky and I scored 3 CDU's
>> the lamps are also called PinLite and they are manufactured by Wamco
>> Lighting 714-545-5560..
>>
>> Basicly Gene they are harder to find then hens teeth..
>>
> They're not hard to find, they're hard to *buy*. Best price I've seen is
> $110 *each*. I've got a full set of working displays that I can use by
> essentially duplicating the circuit that the VHF radio uses to drive them
> (9 CD4511B bcd to 7seg decoders) but it would be nice if I could just
> reconstruct the assembly and use a single Maxim 7 segment driver. It
> would keep the board cost down. (WAAAY down - 9 16 pin chips eat a ton of
> real estate)
>
> g.
>
you should look at the MAX6955 (I2C) or MAX6954 (SPI) plus they can
also take care of your keyboard as well. I have played with them.. (you
can get them as samples from maxim) the programing is a pain.. there are
a boat load of config registers.. but there is a white paper.. and a on
line config builder to take the pain away.
I was driving them from an arduino.. for my NAV head.. and talk about
the wire LOL. 4 of the Alphas (16 seg) and 13 more Numeric (7 segs) =
155 segments + 17 commons or about 172 wires what a mess.. and no room.
The box was originally used in a sim and had all the pins coming out
the rear of the unit.
right now Im using a ps2 keyboard encoder (a old keyboard gave up its
guts) it was easier, and it got there first (I hate re-inventing the
wheel), plus its almost a no brainer..

Cris H.

Simpits-tech mailing list
Simpits-tech@simpits.org
http://www.simpits.org/mailman/listinfo/simpits-tech
To unsubscribe, please see the instructions at the bottom of the above page. Thanks!