s.c.a.n. | StockCharts Answer Network
sponsored by: StockCharts.com

login   about

questions   tags   users   badges   unanswered   ask a questi

search

◉ questions   ○ tags   ○ users

Need help creating a MACD Scan

1

I have been trying to come up with a scan to do the following byt for some reason it does not work. Can someone tell me how to put it together:

(1) Draw MACD (13,21,0) Histogram (2) Draw 5 day EMA of this MACD (3) Scan for when for last three days the EMA is less than the MACD.

thanks,

Husker

(macd) (help) (scan)

asked **Aug 09 '13 at 15:47**

husker78
21 ● **1** ● **4**

Sorry I think we might be having a problem in language. scans don't draw anything they measure when something occurs. So add a panel with MACD histogram(13,21,0) then go to far right and add a 5EMA to the panel. As for the scan, there are many other threads with similar scans you can search under the tags.

Windsurf (Aug 09 '13 at 16:39)

Sorry for the confusion. I understand that scans do not draw anything.

"So add a panel with MACD histogram(13,21,0) then go to far right and add a 5EMA to the panel". This is how you do it in the chart window. I want to recreate it in scan format and put "greater than/less than" filters in there.

I tried the following and it gave me the list of all stocks as an output:

Follow this question

By Email:
Once you sign in you will be able to subscribe for any updates here

By RSS:
    Answers

    Answers and Comments

Tags:

(scan) **×216**

(macd) **×58**

(help) **×6**

Asked: **Aug 09 '13 at 15:47**

Seen: **1,054 times**

Last updated: **Aug 20 '13 at 13:00**

Related questions

Help with Bearish MACD Scan on Specific Stock

How to scan for divergence?

[MACD line(13,21,5) < MACD Hist(13,,21,5)]

Hope that clarifies what I am trying to accomplish!

Husker

husker78 (Aug 09 '13 at 16:59)

After re-reading parabox's answer, I think I get that you are referring to the "Advanced Options" on the chart workbench.

If that's the case, then the 5 EMA that you add there works the same as the signal line - it is an ema of MACD Line, the difference between the two emas.

Basically, it allows you to have two signal lines if you want.

You can test that the ema to the right is an ema of MACD Line as follows:

Select MACD(12,26,9) and update. You will see MACD Line, the Signal line, and Hist.

Then select ema 5 under advanced options and update. You get another line that moves between Line and Signal.

Now - and this is the test - change 9 in 12,26,9 to 12,26,5 (or change ema 5 to ema 9). You get just one line (actually two identical lines). So the advanced option ema is the same calculation as MACD Signal (the ema of Line)

markd (Aug 10 '13 at 18:39)

6 Answers:

oldest | newest | most voted

Based strictly on your description, this sounds like what you might be looking for:

3

[Today's EMA(5, MACD Hist(13,21,0)) < Today's MACD Hist(13,21,0)]
and [Yesterday's EMA(5, MACD Hist(13,21,0)) < Yesterday's MACD Hist(13,21,0)]
and [2 Days Ago EMA(5, MACD Hist(13,21,0)) < 2 Days Ago MACD Hist(13,21,0)]

Note: This is based on your visual description - i.e. "add a panel with MACD histogram(13,21,0) then go to far right and add a 5EMA to the panel. This is how you do it in the chart window. I want to recreate it in scan format." In your typed description, you appear to mix up "MACD" and "MACD Histogram" sometimes, so I ignored that part.

Note #2: the phrase "MACD Hist(13,21,0)" is actually equal to the phrase "MACD Line(13,21)" - a fact which you could use to simplify things slightly if you wanted.

parabox

link   edited **Aug 09 '13 at 18:21**   answered **Aug 09 '13 at 18:21**

parabox
2.2k ● 3● 11

2

I think what you are asking for (really) is that Line has been greater than Signal (if the signal line parameter is 5) for the last three days.

Line is the difference of the two emas. Signal is an ema of Line (the difference). Hist is the difference of Line and Signal. So you want Line above Signal for (at least? or just?) three days, so Hist would be positive for 3 days (or more)

So just test for the min (lowest value) of Hist for the last three days is greater than 0:

and [min(3, MACD Hist(13,21,5)) > 0]

If you want it to have just turned positive for three days, you could add

and [4 days ago MACD Hist(13,21,5) < 0]

link   edited **Aug 20 '13 at 13:00**   answered **Aug 10 '13 at 10:26**

ekwong
8.4k ● 2● 30● 39

markd
15.4k ● 15● 23

1

try making the 0 into a 1 (13,21,1).

link   answered **Aug 10 '13 at 14:01**

Windsurf
10.5k ● 1● 98● 158

Have you looked at the charts produced by this scan, with the MACD(13,21,5) plotted on the chart?

0 It looks likes whenever the MACD line gets below zero, it's also below the Hist for days on end, so this scan is most often going to pick up LOTS of hits.

Can you describe what condition you are trying to isolate with this scan (why it is interesting to you)? Maybe there is another way to do it.

link   answered **Aug 09 '13 at 17:38**

markd
15.4k ● **15**● **23**

---

0 Thanks all for the help but the SCAN is still not working right. I used the following scan:

[Today's EMA(5, MACD Hist(13,21,0)) < Today's MACD Hist(13,21,0)] and [Yesterday's EMA(5, MACD Hist(13,21,0)) < Yesterday's MACD Hist(13,21,0)] and [2 Days Ago EMA(5, MACD Hist(13,21,0)) < 2 Days Ago MACD Hist(13,21,0)]

Basically I am trying to find stocks where the 13EMA-21EMA difference is higher than the 5EMA of the difference for last three days.
thanks,

Husker![alt text][1]

link   edited **Aug 09 '13 at 23:52**   answered **Aug 09 '13 at 23:50**

husker78
21 ● **1**● **4**

Maybe it would just be easier to write the scan using the EMAs you outlined rather than mess with the MACD.

Windsurf (Aug 10 '13 at 00:12)

---

0 Thanks for the reply but it did not work. All i am trying to do is pick MACD (13,21,0) from the indicators and MA 5 from the side. Then i want to find stocks where MA 5 line is less than the MACD for last three days. One thing im confused about is that MACD (13,21,0) should not draw a histogram because of 0 variable, but it does.

link   answered **Aug 10 '13 at 12:15**

husker78
21 ● **1**● **4**

I think you need to get clear on terminology for MACD.

The Hist is the difference between the MACD Line and MACD Signal, NOT the difference between the 13 and 21 emas.

If you put MACD(13,21,5) on your chart, these are the values plotted:

MACD Line is the difference between 13 and 21 (the dark solid line).

MACD Signal is the ema of Line, or 5 in this example (the thin lighter line.

MACD Hist (the bars) is Line - Signal. If the ema for Signal is 0, all it's values will be zero, so Hist will be Line - 0, or Line. If ema for signal is 1, Line and Signal will be equal, so Hist will always be zero (no diffence between line and signal).

So, if you want an ema of Hist, you need to specify a parameter for the Signal line that is NOT 0 or 1.

markd (Aug 10 '13 at 14:19)

Your answer

[hide preview]

Login/Signup to Post Your Answer

about | faq | privacy | support | contact