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## [closed] Scanning EMA 14 crossing 34

0 How do I write a custom script that will allow me to scan EMA 14 crossing 34 and RSI (14) above the 50 day moving average?

search ema scan

closed Oct 14 at 22:57

Gord  
4.2k ● 2 ● 9

asked Aug 19 at 14:15

yama  
42 ● 8

Please edit this question so that this title is in the form of a question. You'll get more responses that way. Thanks!

chipa (Aug 21 at 09:56)

And you will also earn points towards the Editor Karma Badge. OOps, just checked and see you already have that badge.

Gord (Aug 21 at 10:49)

The question has been closed for the following reason "Question has been answered" by Gord Oct 14 at 22:57

### 4 Answers:

oldest newest most voted

1 If you are familiar with the **Advanced** scan engine this is the code you need for the 13x34 EMA bullish cross (highlight the text in the box below, copy it, and paste it into the engine):

```
[daily ema(14,daily close) > daily ema(34,daily close)] and [yesterday's daily em
```

The second part of the scan would look like this:

```
[RSI (14) >= daily sma(50, RSI (14))]
```

So to put it all together it would look like this:

```
[daily ema(14,daily close) > daily ema(34,daily close)] and [yesterday's daily e
```

A side note here, if you are not familiar with the [Stockcharts.com](http://stockcharts.com) coding language, you can use the **Standard** scan engine to build a scan and then switch to the **Advanced** engine, view the raw language, and then customize or modify the parameters of your scan.

This helpful as a learning tool.

Let me know if this helps.

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### Markdown Basics

- **\*italic\*** or **\_italic\_**
- **\*\*bold\*\*** or **\_\_bold\_\_**
- **link:**[text](http://url.com/ "title")
- **image?**[alt text](/path/img.jpg "title")
- numbered list: 1. Foo 2. Bar
- to add a line break simply add two spaces to where you would like the new line to be.
- basic HTML tags are also supported

[learn more about Markdown](#)

### Tags:

scan x76

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ema x4

Asked: Aug 19 at 14:15

Seen: 481 times

Last updated: Oct 14 at 22:57

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**Criteria:** Standard Engine

- For the last market close:
- United States Stocks with...
- 20-day Simple Moving Average of Volume for today is greater than 40000

Global Filters				Predefined Chart Patterns				
Group:	United States			-- None --	0	days ago is	true	
Avg Vol:	>40000	over	20	days	-- None --	0	days ago is	true
Avg Price:	Any	over	60	days	-- None --	0	days ago is	true
Predefined:	-- None --				-- None --	0	days ago is	true
Predefined:	-- None --				-- None --	0	days ago is	true

**Additional Technical Expressions**

Indicators etc...	Parameters	Date Offset & Period	Indicators etc...	Parameters	Date Offset & Period	Multiplier
	{ }	Days ago		{ }	Days ago	x
	{ }	Days ago		{ }	Days ago	x
	{ }	Days ago		{ }	Days ago	x
	{ }	Days ago		{ }	Days ago	x

To further customize one of our predefined scans, insert it into the "Additional Technical Expressions" area above by selecting it from the following list and pressing Insert.

Select Scan to Insert:

Can I write a scan for dividend yield?

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how do I a scan to search for stocks that are at least 10% below their 50 day ema and the 2nd search for stocks that are at least 10% above their ema?

[closed] How do I scan stocks for volatility?

[link](#) edited Aug 19 at 17:53 answered Aug 19 at 16:51

 **AgnosticTrader**  
4.1k • 1 • 19

Agnostic Trader has given you an excellent brief on the first part above.

0 Not sure if you are just looking for the RSI(14) to be above 50 or if you are really looking for a cross of the RSI(14) crossing the 50 period MA of RSI(14). Both can be done.

Just above 50 and [RSI (14) > 50]

For the cross of an overlay its a bit harder to describe, so let me direct you to an article I wrote recently on this subject. Just change the parameters or indicators and follow the same method.

[Scanning for an overlay of an indicator](#)

let us know if this helps you out. Cheers Gord

[link](#) answered Aug 19 at 17:44

 **Gord**  
4.2k • 2 • 9

If you haven't had a chance to look at the advanced scan workbench documentation, go here

1 <http://support.stockcharts.com/entries/21297-advanced-scan-workbench-user-documentation>

It's really excellent. Just work through it methodically, writing say, one simple scan a day. It's amazing what you'll learn and how many trading ideas you will get, and you won't be following the crowd. Take a long term perspective and consider consider how much your investment in learning will pay off down the road.

But to answer your question, the "x" operator simplifies writing the "cross" scan. Gord, correct me if I'm wrong, but the "x" is always "cross above". If you want cross below, just reverse the order of the emas or other indicators/overlays you are comparing.

so in this case, let's say for the SP500, [group is sp500] and [ema(13,close) x ema(34,close)] and [rsi(14) x ema(50,rsi(14))]

this scan is syntactically correct according to the check syntax feature on the advanced scan page, but it returns nothing tonight. hope that helps.

[link](#) answered Aug 19 at 18:26

 **markd**  
1.9k • 1 • 6

Yes Markd, not surprised your sample scan did not return any results. If you have 2 crosses in a scan its like winning the lottery to have them both happen on the same day, you often see crosses within several days of each other but not on the same day.

With respect to the crosses below function, you're correct it does not exist, just reverse the order of the parameters. Here's an article on that subject with annotated charts and examples to help understand how it works.

<http://blogs.stockcharts.com/scanning/2011/04/scans-where-is-the-crosses-below-function-.html>

 Gord (Aug 19 at 18:40)

Very nice... Thanks.

**0**

```
[type = stock] and [country = us] and [daily sma(50,daily volume) > 40000] and [today's  
ema(14,close) > today's ema(34,close)] and [yesterday's ema(14,close) <= yesterday's  
ema(34,close)] and [close >= 10] and [Full Stoch %K (14,3,3) > 80.0] and [Aroon Up (25) > 70.0]  
and [Aroon Down (25) < 30.0] and [RSI (14) > 70.0] and [FORCE (13) > 0.0] and [Buy Signal is  
true] and [Fast Stoch %D (14,3) > 80.0] and [Uptrend is true]
```

Here is a scan I came up with...

[link](#)

edited Aug 19 at 19:14

answered Aug 19 at 19:12



yama

42 • 8