

# Danger Zone: Square, Inc. (SQ)

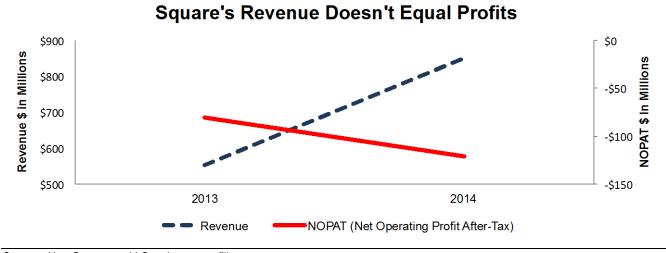
Check out this week's Danger Zone interview with Chuck Jaffe of Money Life and Marketwatch.com

Recent IPO Square (SQ: \$12/share) is in the Danger Zone this week despite its noble cause of lowering the barriers to entry for small businesses to engage in credit card commerce because it checks many of the Danger Zone boxes: <a href="questionable non-GAAP accounting">questionable non-GAAP accounting</a>, <a href="non-competitive business models">non-competitive business models</a>, and an <a href="questionable non-gaap">extremely risky valuation</a>.

### Ignore Revenue Growth, Look For Profits (Or Lack Thereof)

Investors love IPOs that tout impressive revenue growth, especially in an industry which pundits believe is "ripe for change," such as the payment processing industry. The risk of focusing on revenue growth is that it does not always mean there are any profits. Square's revenue growth, 104% compounded annually since 2012, has occurred while generating increasing losses. In fact, after-tax profit (NOPAT) has fallen from -\$80 million in 2013 to -\$121 million in 2014. Figure 1 illustrates this disconnect between revenue and profits.

Figure 1: Square's Revenue Illusion



Sources: New Constructs, LLC and company filings

Square's business model exhibits the same unsustainable trait we have seen in many cloud based software companies: expenses are growing much faster than revenues with no foreseeable end to this problem. From 2012-2014 the company's cost of goods sold, product development and sales & marketing costs have risen respectively 119%, 76% and 41% compounded annually.

Furthermore, the capital being deployed into the business has not been done so efficiently as Square's return on invested capital (ROIC), which was -30% in 2013, remains a bottom quintile -33% on a trailing twelve month (TTM) basis.

Despite what management would have you believe, expanding the business has been extremely costly and destructive to shareholder value.

### **Non-GAAP Metrics Are Misleading**

We've previously highlighted the <u>dangers of non-GAAP earnings</u> in IPOs and mature companies. Unfortunately for investors, Square uses non-GAAP metrics that serve no purpose but to make an unprofitable business look "less unprofitable." Square uses three different non-GAAP and misleading metrics:

 Adjusted EBITDA. – This metric is what management wants investors to focus on and is actually what Square uses to evaluate operating performance and make strategic decisions. Adjusted EBITDA removes items such as stock based compensation expense (4% of revenue in 2014) and all effects of

- the Starbucks agreement, which actually costs Square money for each transaction conducted at Starbucks. How convenient for management to focus on a metric that removes the impact of a money losing deal and their own pay.
- 2. Gross Payment Volume (GPV) represents the total dollar amount of transactions processed by Square and is used to show the large usage of Square's systems. This metric is similar to <u>Groupon's gross</u> <u>billings metric</u>, which also created an ephemeral illusion of success. Keep in mind that that the unprofitable Starbucks deal boosts GPV while actually lowering profits.
- 3. Adjusted revenue represents Square's revenue, excluding the impact of the Starbuck's agreement and after the removal of interchange fees Square pays card issuers.

## **Competition Puts a Cap on Growth and Profit Potential**

Square faces ample competition in the payment processing industry. Point-of-sale terminal providers Verifone (PAY) and Ingenico are estimated to have a 49% global market share of the POS terminal market. Additionally, Square faces competition from other payment processors like Vantiv (VNTV) and First Data (FDC), who are estimated to have a combined 53% market share of processing volume. We haven't even mentioned competitors such as PayPal (PYPL), Intuit (INTU), or any number of private startups who also provide mobile payment solutions.

MasterCard (MA) and Visa (V), companies which benefit from Square's payment terminals, are also building their own mobile payment applications which could encroach upon Square's turf. MA and V have deep pockets and a large network. All this competition culminates to create an extremely crowded and competitive industry landscape.

Worst of all, as seen in Figure 2, Square is the least profitable of its many competitors, and its not even close. It's hard to see how SQ can compete in this environment.

Figure 2: Square's ROIC Creates Competitive Challenges

Company	Ticker	Return On Invested Capital
MasterCard	MA	118%
Visa	V	25%
Intuit	INTU	16%
Vantiv	VNTV	7%
First Data	FDC	6%
VeriFone	PAY	5%
Square	SQ	-33%

Sources: New Constructs, LLC and company filings

#### **Bull Case Requires A Sticky Business Model**

Similar to our <u>insight into Twitter's flawed business model</u>, another Jack Dorsey creation, Square's business model has a fatal flaw. The more value it provides to its users via access to the vast world of credit card commerce, the less value it offers stock holders. On the one hand, the more Square raises its prices, the smaller its addressable market, and the more it alienates its existing customers and risks market share loss. On the other hand, maintaining its low-cost status-quo leaves Square serving the merchants that larger providers deemed too risky, unprofitable, or both, which results in Square's large negative cash flows that we see now. Moreover, the Starbucks deal is a great example of how unprofitable and unsuccessful dealing with larger customers can be. For Square to gain traction in any larger businesses, it would have to supplant the existing payment system in place, which could entail lower (not profitable) transaction fees or volume discounts, i.e. Starbucks agreement.

To come close to reaching the heights implied by Square's valuation, Square must provide something sticky, something that merchants cannot get elsewhere. Unfortunately, we see nothing of the sort...that is profitable anyway. Square's payment terminals are nothing special (they give many of them away), and many other competitors, including PayPal and Intuit have already created their own. Aside from simple payment terminals, the digital and mobile space exists as an avenue for expansion. Unfortunately, Square's mobile wallet type applications, competing with Google Wallet, Apple Pay, or any number of mobile applications that allow for



payment such as Starbuck's own mobile app, have not been successful and likely will not be. Additionally, Square is still a small player in the digital and mobile payment space. In fact, PayPal, which processed nearly \$70 billion in payments during 3Q15 alone, dwarfs Square, which processed \$25.5 billion in payments through the first nine months of 2015.

### Is Square Hoping to Be Acquired?

With so many competitive challenges and little inherent value, some investors must be hoping for a buyout to justify the lofty valuation they have assigned to SQ. While Square's technology might be easily replicated, one could make the argument that its customer data on spending habits or transaction values could be worth acquiring.

If we assume Vantiv acquires Square and upon acquisition Square immediately achieves Vantiv's margins and ROIC, the company would still have to grow revenue by 31% compounded annually for the next 25 years to justify buying Square at is current price (~\$12/share). A more realistic price for Vantiv to pay is \$5.50/share, which is the value of SQ's business based on the value of the firm if it achieves VNTV's 12% NOPAT margin in year 1 of the acquisition.

### **Hidden Liabilities Make Buyout Even More Unlikely**

Square has some hidden liabilities that make the company even more expensive than the standard accounting numbers suggest:

- 1. \$466 million in outstanding employee stock options (12% of market cap)
- 2. \$514 million in preferred stock(13% of market cap)
- 3. \$115 million in off balance sheet operating leases (3% of market cap)

In addition to these liabilities, Square has \$144 million in debt, which represents 4% of its market cap. While these hidden liabilities detract from the overall value of Square, the likeliest competitor to purchase Square would be another payment terminal provider, like in our scenario above. We find it hard to believe another provider would want to serve the unprofitable merchants Square currently serves. Lastly, its unlikely that a card provider such as Visa or MasterCard would acquire Square as it is more beneficial for them to allow Square to take on the risk of providing payment terminals and simply collect the transaction fees once Square sets up the system.

#### With or Without Acquisition, Valuation Is Unrealistic Given Square's Operations

Square IPO'd at \$9/share, well below the \$11-\$13 range that was previously indicated and 30% below a private fundraising round just a year ago. Despite the already sinking valuation, investors saw this as a "buy the dip" opportunity and shares now trade at \$12/share. To justify the current price, Square must immediately achieve pre-tax margins of 5% (-14% in 2014) and grow revenue by 26% compounded annually for the next 16 years. In this scenario, Square would be generating \$32.7 billion in revenue 16 years from now, which is slightly more than all the competitors' 2014 revenue in Figure 3 combined.

Even if we assume a "best case scenario", in which Square is able to achieve 9% pre-tax margin (above competitor VeriFone but below Vantiv, which provides more than just payment processing) and <a href="mailto:can grow revenues by 23% compounded annually for the next decade">can grow revenues by 23% compounded annually for the next decade</a>, the stock is only worth \$7/share today – a 42% downside.

#### Catalyst: Loss of Starbucks A Sign Of Things To Come?

Square entered into an exclusive deal with Starbucks in 2012, which will end on or before 3Q16. In its S-1 Square revealed that this agreement was a money-losing venture. From 2012-2014 Square had gross losses of over \$56 million on the deal. However, Starbucks accounted for 14% of revenue in 2014, which makes it a large part of Square's business. When companies that lack profits go public, investors cling to top line growth as proof the business model is working. With the loss of Starbucks, Square's top line is taking a hit and risks backlash from revenue-focused investors. We've seen this backlash before in similar stocks. For example, Box and Demandware are two recent high-revenue growth stocks that are down 35% and 30% respectively since being put in the Danger Zone.

#### Also Beware The Venture Capitalist "Cash Out"

Did Square go public because it needed capital? Or did it go public to line the pockets of early/VC investors who are looking for an exit?



Of the 322 million shares outstanding after the IPO, only 27 million shares were part of the IPO. 92% of shares outstanding are locked up for 180 days. After the lock-up expires, IPO buyers could be in trouble as the existing investors cash out and look for the next unicorn. As we noted in this detailed report, IPO investors must beware of the risks presented by investing in IPOs with large insider/venture capital investments.

The lock-up expiration and Square's dependency on high revenue growth could provide the ultimate 1-2 punch knockout for SQ.

#### **Executive Compensation Provides Little Accountability**

Square's executive compensation is particularly vague. The compensation committee has discretion over all metrics chosen from which to base executive bonuses on. Unfortunately for investors, these metrics include, but are not limited to any number of GAAP and non-GAAP targets such as revenues, EBIT, EBTIDA, adjusted EBITDA, stockholder return, sales bookings, or even ROI, just to name a few. We would prefer to see a more clear-cut compensation plan with specific criteria, one of which should be ROIC as it has been proven to be a driver of shareholder value creation.

### Impact of Footnotes Adjustments and Forensic Accounting

We have made several adjustments to Square's S-1. The adjustments are:

Income Statement: we made \$33 million adjustments with a net effect of removing \$33 (4% of revenue) million in non-operating expenses. We removed less than \$1 million in non-operating income and \$33 million in non-operating expenses.

Balance Sheet: we made \$217 million of balance sheet adjustments to calculate <u>invested capital</u> with a net increase of \$19 million. The largest adjustment was the inclusion of \$115 million related to <u>operating leases</u>. This adjustment represented 33% of reported net assets.

Valuation: we made \$1.1 billion of shareholder value adjustments with a net effect of decreasing shareholder value by 1.1 billion. The most notable adjustment to shareholder value was the removal of \$515 million due to <a href="mailto:preferred stock">preferred stock</a>. This adjustment represents 13% of Square's market cap.

Disclosure: David Trainer and Kyle Guske II receive no compensation to write about any specific stock, style, or theme.



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