Zacks Small-Cap Research

October 6, 2015

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O_2Micro International Ltd (OIIM-NASDAQ)

Weak Demand for TVs in China Causes Reduced Revenue Guidance

Current Recommendation	**Buy**
Prior Recommendation	Hold
Date of Last Change	11/12/2013
Current Price (10/05/2015)	$2.26
12- Month Target Price	**$5.00**

OUTLOOK

O_2Micro International is a fabless semiconductor firm that designs, develops and markets high performance integrated circuits primarily for power management and power saving applications for the LED lighting industry. It recently started providing chips for smartphones, capitalizing on its notebook expertise, as smartphones require even more power. We believe this, combined with stability in the TV and notebook markets, could reignite growth. The company trades at an enterprise value of less than $1 million, which is well below liquidating value.

SUMMARY DATA

52-Week High	**$2.80**
52-Week Low	**$1.90**
One-Year Return (%)	**-15.98**
Beta	**1.02**
Average Daily Volume (sh)	**13,613**
Shares Outstanding (mil)	**26**
Market Capitalization ($mil)	**$59**
Short Interest Ratio (days)	**1.77**
Institutional Ownership (%)	**47**
Insider Ownership (%)	**8**
Annual Cash Dividend	**$0.00**
Dividend Yield (%)	**0.00**
5-Yr. Historical Growth Rates	
Sales (%)	**-18.8**
Earnings Per Share (%)	**N/A**
Dividend (%)	**N/A**
P/E using TTM EPS	**NM**
P/E using 2015 Estimate	**NM**
P/E using 2016 Estimate	**NM**
Zacks Rank	**3**

Risk Level	**Above Average**
Type of Stock	**Small-Value**
Industry	**Elec Comp-Semis**
Zacks Rank in Industry	**N/A**

ZACKS ESTIMATES

Revenue
(Non-GAAP fully diluted EPS, in millions of $)

	Q1 (Mar)	Q2 (Jun)	Q3 (Sep)	Q4 (Dec)	Year (Dec)
2013	17 A	19 A	19 A	19 A	74 A
2014	17 A	17 A	15 A	14 A	64 A
2015	13 A	15 A	14 E	17 E	57 E
2016					66 E

Earnings per Share
(EPS is non-GAAP earnings before non-recurring items)

	Q1 (Mar)	Q2 (Jun)	Q3 (Sep)	Q4 (Dec)	Year (Dec)
2013	-$0.15 A	-$0.13 A	-$0.14 A	-$0.11 A	-$0.53 A
2014	-$0.08 A	-$0.10 A	-$0.09 A	-$0.09 A	-$0.36 A
2015	-$0.11 A	-$0.09 A	-$0.12 E	-$0.07 E	-$0.39 E
2016					-$0.21 E

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The Chinese Consumer is Not Buying TVs

O2 Micro just issued a release that it has lowered guidance for Q2 revenues due almost entirely to a reduction in demand for chips that go into TVs sold in China. Customers have told them that inventories are backing up and as a result rather than selling $9.5 million, there would be about a $2 million shortfall for O2 Micro. Given that we do not expect a rapid reversal of China's fortunes, we are also cutting revenue forecasts for Q4 although the company has not yet given any guidance for that quarter. The rest of the company's business is on track, as other product lines are sold more globally and not as dependent on Chinese markets. Chinese New Year on February 8th should clean out old TV models and business should return somewhat. We note that Corning cut its forecast for TVs worldwide to flat earlier this year.

Given that the company did not have time to react to reduced revenues, we expect expenses to be as we forecast them, and for losses to be greater. In Q4 however the company traditionally does its right-sizing and we expect actions to be taken to reduce expenses at that point. The company is still building its R&D capabilities in smartphones so reductions should be expected in SG&A only.

We are reducing Q3 revenues to $13.6 million and Q4 to $15.3 million, at which point revenues should be up year over year. EPS is reduced to a loss of $0.12 in Q3 and $0.07 in Q4, resulting in a loss of $0.39 for the year.

Smartphones Could Be the Key to Revive Growth



In Q1, the company's first product for power management for the tablet and smartphone market began shipping. For example, the company's product is used on the Spreadtrum SC7731G platform and can be found in the HTC Desire 326G in India and Russia.

Smartphones could generate noticeable revenues in Q4. Smartphone industry volumes dwarf O2Micro's traditional major market, TVs. IDC believes 1.3 billion smartphones were shipped in 2014 versus 200 million televisions, according to Faultline. Additonally, the television market has been falling, in contrast to the high growth of smartphones.

Although revenues from smartphones will build gradually, the huge size of the smartphone market could be the savior of the company. It is pursuing the Chinese-based market and had landed four Tier 2 players in that market. These companies will be building inventory soon for the holiday selling season.

Notebook and Portable Power Management Expertise Applied to Smartphone

Since the smartphone was invented, processing power and battery power have kept increasing to where they are, in effect, notebook computers, where O2Micro has expertise. It is now applying its solutions to handset makers with five separate products.

1. Fast Charging

As batteries get bigger, they also take longer to charge. O2Micro provides an IC used on the motherboard to enable “fast charge” technology.

2. Battery Fuel (Gas) Gauge

The larger the battery, the more accurately it needs to be monitored. Using expertise from the power tool business, O2Mico has a gas gauge that competes well against incumbents like Texas Instruments.

3. Battery to micro USB Type C Connector for On-the-go charging.

A new feature that will be available on a lot of phones next year is a Type C connector for ‘on-the-go” charging. It will allow a phone to be hooked up and charge an external device such as a portable hard drive, projector, or the one with the seemingly biggest demand, a set of external speakers. O2Micro has an IC used for this type C connection.

Figure 1: Letv's Le 1 Pro Superphone is the first to market with USB-C.



3. All Three of these Chips in One

4. DC to DC IC for 4-Core and higher

These DC-to-DC products are targeted at the very high-end phones and notebooks. There are many quad-core phones, some octo-core phones and MediaTek is has even introduced a deca-core, the Helio X20, which will succeed the octa-core Helio X10 (MT6795) that's already in several Chinese flagship phones.

VALUATION

Company is Still Valued at Less than Liquidating Value

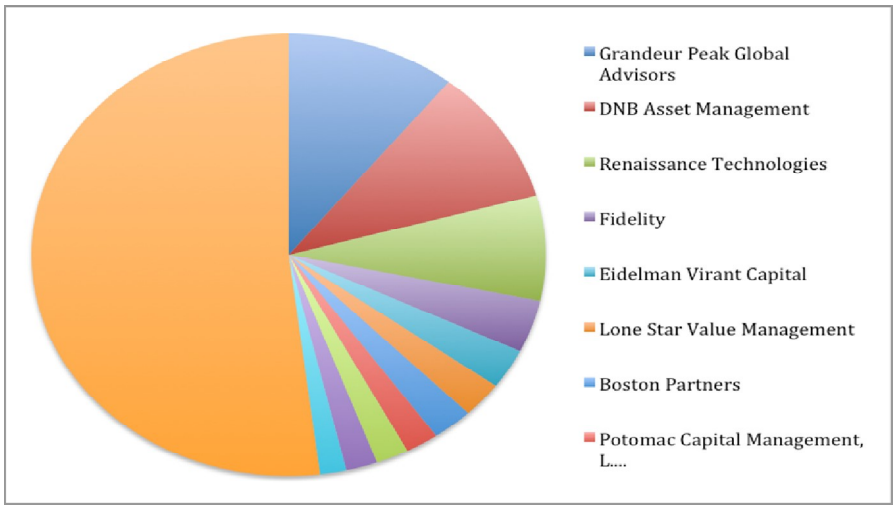
The company trades at an enterprise value of less than $1 million that is below the value of its remaining real estate. The company is burned $2 million in cash on an operating basis in Q2. It also sold $200,000 in real estate.

Were we to use the average enterprise value to trailing twelve-month sales of 3.6 times and apply it to OIIM's projected Q3 $54 revenue run rate, we would calculate an enterprise value of $197 million. Adding to it $58 million in cash gives us a market cap of $255 million or **$9.77 per share**.

Competitors	EV	TTM Sales	EV/Sales
ISIL	$1,340	$541	2.5
MSCC	3,940	1,220	3.2
MPWR	1,810	309	5.9
CREE	2,090	1,630	1.3
MCHP	9,490	2,150	4.4
LLTC	8,420	1,480	5.7
MXIM	8,840	2,310	3.8
TXN	51,630	13,150	3.9
CRUS	1,960	1,050	1.9
Average			3.6

OWNERSHIP

In the past year, Lone Star, an activist shareholder had bought up to 1.7 million shares. According to a May 2015 filing that stake has been reduced to 0.7 million or 2.6% of the outstanding.



RISKS

- O_2Micro has exposure several stagnant and declining markets such as TVs and notebooks. It is depending on General LED lighting, battery management, and successful penetration of the smartphone market to give it revenue and margin growth.
- It may be difficult for the company to capture market share in smartphones and tablets as a new entrant in an established field competing primarily with giant Texas Instruments and other larger firms.
- The firm is currently not at breakeven and is cash flow negative and has declining revenues.
- Given its large number of patents, litigation risk is a possibility as the company enforces its patents.

PROJECTED INCOME STATEMENT

	March Q1 14A	June Q2 14A	Sept Q3 14A	Dec Q4 14A	March Q1 15	June Q2 15	Sept Q3 15E	Dec Q4 15E	2012	2013	2014	2015E	2016E
REVENUE													
Net Revenue	16.5	17.4	15.4	14.3	13.1	14.7	13.6	15.3	97.7	73.8	63.6	56.7	66.0
Yr-to-yr Gr.	-5%	-7%	-17%	-25%	-20%	-16%	-12%	7%	-21%	-24%	-14%	-11%	16%
OPERATING EXPENSES													
Cost of goods sold	8.0	8.4	7.4	7.0	6.5	7.4	6.7	7.5	44.1	36.4	30.9	28.1	32.0
Gross Margin	8.5	9.0	8.0	7.3	6.6	7.3	6.9	7.8	53.6	37.4	32.7	28.6	34.0
% of Sales	51.5%	51.5%	51.8%	51.0%	50.0%	49.6%	51.0%	51.0%	54.9%	50.7%	51.5%	50.4%	51.5%
R&D	5.1	5.8	5.5	5.6	4.5	3.8	4.6	4.7	34.3	27.0	21.9	17.6	19.6
SG&A	6.5	6.3	6.0	5.8	5.7	6.3	5.9	5.6	34.6	30.9	24.7	23.5	22.4
One-time expenses & Adj.	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	12.7		3.0	0.0	0.0
Tot Operating Exp.	11.6	12.1	11.5	14.4	10.1	10.2	10.5	10.3	81.6	57.9	46.6	41.1	42.0
							3%						
Operating Income	(3.1)	(3.1)	(3.5)	(7.1)	(3.6)	(2.9)	(3.6)	(2.5)	(28.0)	(20.5)	(13.9)	(12.5)	(8.0)
Other Income	0.5	0.1	0.9	1.5	0.6	0.4	0.5	0.4	2.4	2.4	2.9	1.9	2.0
Pretax Income	(2.7)	(3.0)	(2.7)	(5.6)	(3.0)	(2.5)	(3.1)	(2.1)	(25.6)	(18.1)	(10.9)	(10.6)	(6.0)
	-16.1%	-17.0%	-17.5%	-39.1%	-22.6%	-16.7%	-22.5%	-13.7%	-26.2%	-24.5%	-17.2%	-18.6%	-9.1%
Taxes	0.3	0.2	0.3	0.5	0.2	0.3	0.3	0.2	1.1	1.0	1.2	1.0	0.7
Tax Rate	-9.6%	-7.7%	-9.3%	-8.0%	-8.1%	-11.7%	-8.2%	-11.0%	-4.3%	-5.5%	-10.8%	-9.5%	-11.0%
GAAP Net Income	(2.9)	(3.2)	(2.9)	(6.0)	(3.2)	(2.7)	(3.3)	(2.3)	(26.7)	(19.1)	(12.1)	(11.6)	(6.7)
Non-GAAP Net Income						(2.3)	(2.8)						
GAAP EPS-Basic	($0.10)	($0.12)	($0.11)	($0.23)	($0.12)	($0.10)	($0.13)	($0.09)	($0.83)	($0.67)	($0.44)	($0.45)	($0.28)
GAAP EPS-Fully dil.	($0.10)	($0.12)	($0.11)	($0.23)	($0.12)	($0.10)	($0.13)	($0.09)	($0.83)	($0.67)	($0.56)	($0.45)	($0.28)
Non-GAAP	**($0.08)**	**($0.10)**	**($0.09)**	**($0.09)**	**($0.11)**	**($0.09)**	**($0.12)**	**($0.07)**	**($0.33)**	**($0.53)**	**($0.36)**	**($0.39)**	**($0.19)**
Share Out	27.8	27.4	27.2	26.7	26.5	26.1	25.6	25.1	31.0	28.7	27.2	25.8	24.0
Fully diluted shares	27.8	27.4	27.2	26.7	26.5	26.1	25.6	25.1	31.0	28.7	27.2	25.8	24.0
Yr-to-yr Gr.	-0.7%	-1.4%	-0.7%	-1.8%	-5%	-5%	-6%	-6%		-7.5%	-5.1%	-5.2%	-7.0%

BALANCE SHEET

In Thousands $	June 30, 2015	March 31, 2015	June-March % Change
CURRENT ASSETS			
Cash and cash equivalents	$47,506	$45,065	5%
Restricted cash	32	32	0%
Short-term investments	10,734	14,670	-27%
Accounts receivable, net	7,694	6,271	23%
Inventories	8,427	8,215	3%
Prepaid expenses and other current assets	1,146	1,348	-15%
Total current assets	**75,539**	**75,601**	0%
LONG-TERM INVESTMENTS	14,424	14,754	-2%
PROPERTY AND EQUIPMENT, NET	17,163	18,211	-6%
OTHER ASSETS			
Restricted assets			
Intangible assets, net			
Other assets	2,864	2,893	-1%
Total other assets	2,864	2,893	-1%
TOTAL ASSETS	109,990	111,459	-1%
CURRENT LIABILITIES			
Notes and accounts payable	3,901	3,207	22%
Income tax payable	524	620	-15%
Accrued expenses and other current liabilities	4,298	3,347	28%
Total current liabilities	8,723	7,174	22%
OTHER LONG-TERM LIABILITIES			
Accrued pension liabilities	292	292	0%
Other liabilities	270	311	-13%
Total long-term liabilities	562	603	-7%
Total liabilities	9,285	7,777	19%
SHAREHOLDERS EQUITY			
Preference shares at $0.00002 par value per share; Authorized 250,000,000 shares;			
	33	33	0%
Additional paid-in capital	141,050	140,634	0%
Retained earnings (accumulated deficits)	(23,227)	(20,290)	14%
Accumulated other comprehensive income	7,198	6,723	7%
Treasury stock 269,042,350 and 162,072,500 shares as of Dec 31, 2013 and 2012, respectively	(24,349)	(23,218)	5%
Total shareholders equity	100,705	103,882	-3%
TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	109,990	111,459	-1%
Cash and equivalents	$58,240	$59,735	-3%
Market value	65,021,370		
Enterprise value	6,749,370		

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Sell/Underperform: The analyst expects the company will underperform the broader U.S. Equity market over the next one to two quarters.

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